

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087746.D
 Acq On : 6 Jun 2016 12:14
 Operator : UM/SJ
 Sample : H3346-01 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-201605A

Quant Time: Jun 06 16:01:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	12811	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	36182	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	31411	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	50699	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	44579	20.00	ng	-0.02
86) Perylene-d12	15.42	264	34805	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	40823	51.50	ng	-0.02
7) Phenol-d6	6.47	99	36649	36.87	ng	-0.02
23) Nitrobenzene-d5	7.40	82	76489	122.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	36685	116.35	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	187020	95.04	ng	-0.02
78) Terphenyl-d14	12.95	244	155722	85.24	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.58	88	1383	3.61	ng	# 87
9) Benzaldehyde	6.38	77	33667	50.10	ng	# 1
15) Benzyl Alcohol	7.00	79	2727	3.71	ng	# 47
18) Hexachloroethane	7.39	117	73097	213.33	ng	# 34
22) Acetophenone	7.24	105	11903	14.52	ng	# 65
24) Nitrobenzene	7.46	77	10548	16.85	ng	# 2
31) Naphthalene	8.19	128	7912143	4497.57	ng	# 97
33) 4-Chloroaniline	8.18	127	1170419	1531.59	ng	# 34
35) Caprolactam	8.57	113	1099	6.76	ng	# 92
37) 2-Methylnaphthalene	8.86	142	1547081	1331.72	ng	# 94
45) 1,1'-Biphenyl	9.31	154	406046	159.28	ng	# 98
46) 2-Chloronaphthalene	9.38	162	6510	3.21	ng	# 54
47) 2-Nitroaniline	9.40	65	4544	7.95	ng	# 25
48) Acenaphthylene	9.76	152	1843220	582.45	ng	# 98
50) 2,6-Dinitrotoluene	9.59	165	4885	9.40	ng	# 78
51) Acenaphthene	9.92	154	104519	51.33	ng	# 98
54) Dibenzofuran	10.09	168	51975	18.75	ng	# 77
55) 4-Nitrophenol	9.99	139	2774	5.46	ng	# 35
56) 2,4-Dinitrotoluene	10.07	165	9500	14.36	ng	# 66
57) Fluorene	10.43	166	596944	275.47	ng	# 99
61) 4-Nitroaniline	10.43	138	7083	12.40	ng	# 22
65) n-Nitrosodiphenylamine	10.52	169	3734	2.25	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	2124	4.22	ng	# 1
70) Phenanthrene	11.40	178	1855031	674.83	ng	# 98
71) Anthracene	11.45	178	608907	221.07	ng	# 98
72) Carbazole	11.60	167	17648	6.77	ng	# 95
74) Fluoranthene	12.58	202	808861	299.02	ng	# 99
77) Pyrene	12.81	202	1052518	331.57	ng	# 99
80) Benzo(a)anthracene	14.02	228	227874	88.57	ng	# 97
82) Chrysene	14.02	228	227874	88.99	ng	# 97
83) Bis(2-ethylhexyl)phthalate	13.99	149	6344	3.95	ng	# 83
85) Indeno(1,2,3-cd)pyrene	16.80	276	87136	41.17	ng	# 100
87) Benzo(b)fluoranthene	15.02	252	255927	113.04	ng	# 96
88) Benzo(k)fluoranthene	15.02	252	255927	135.86	ng	# 99

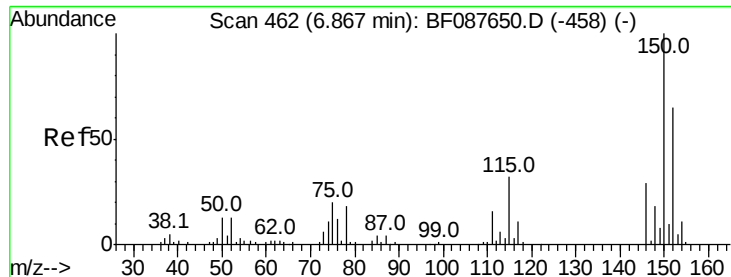
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	15.36	252	228896	120.27	ng	99
90) Dibenzo(a,h)anthracene	16.81	278	21140	13.05	ng	99
91) Benzo(g,h,i)perylene	17.22	276	105918	64.82	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

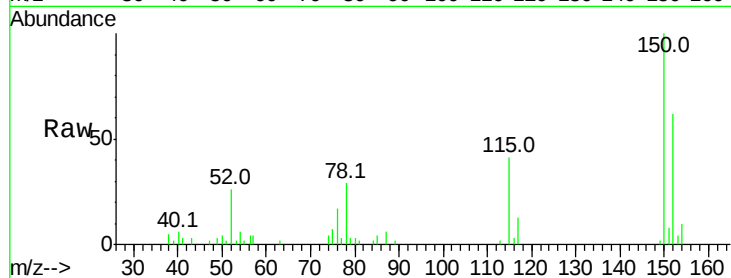
Tot Ion:152 Resp: 12811

Ion Ratio Lower Upper

152 100

150 161.1 123.8 185.6

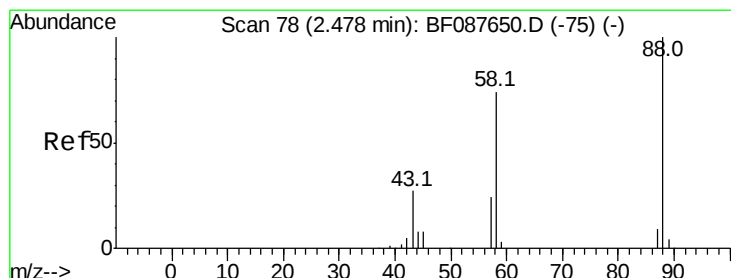
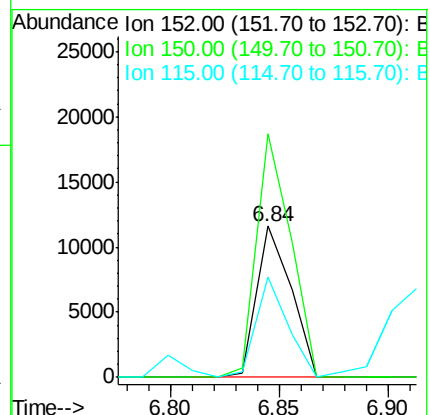
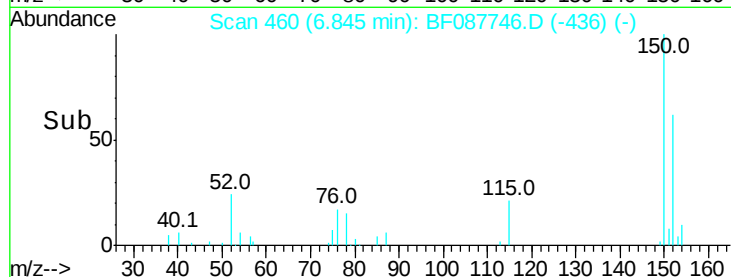
115 66.6 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.61 ng

RT: 2.58 min Scan# 87

Delta R.T. 0.10 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

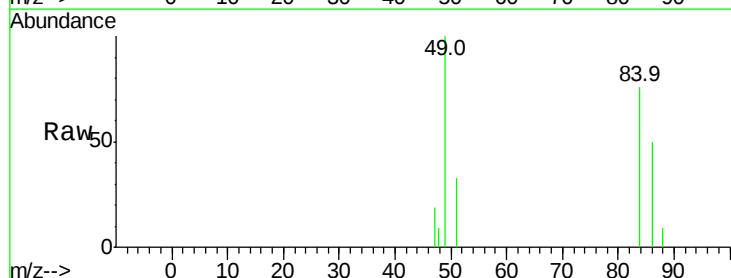
Tgt Ion: 88 Resp: 1383

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

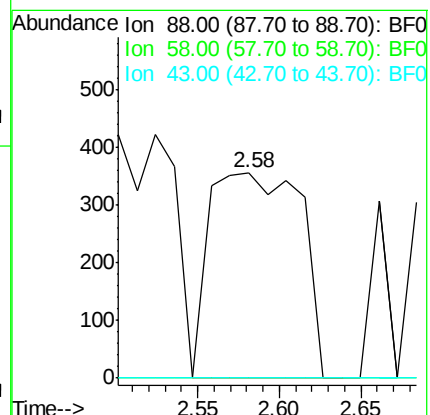
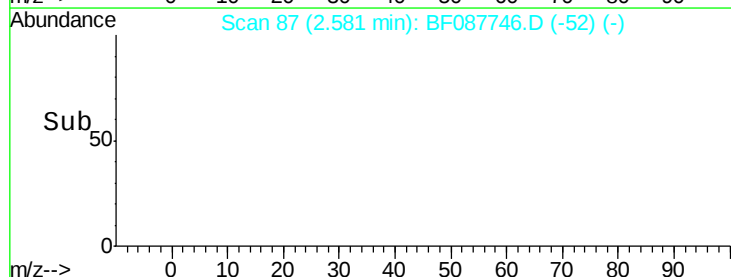
43 0.0 3.4 5.2#

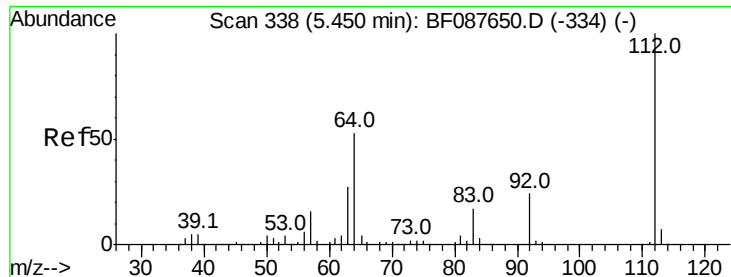


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 51.50 ng

RT: 5.43 min Scan# 336

Delta R.T. -0.02 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

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ClientSampleId :

WC-201605A

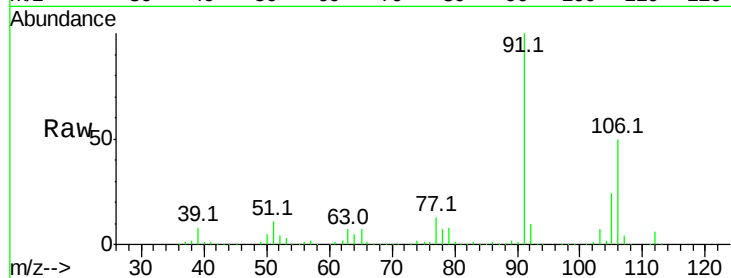
Tot Ion:112 Resp: 40823

Ion Ratio Lower Upper

112 100

64 83.5 42.2 63.2#

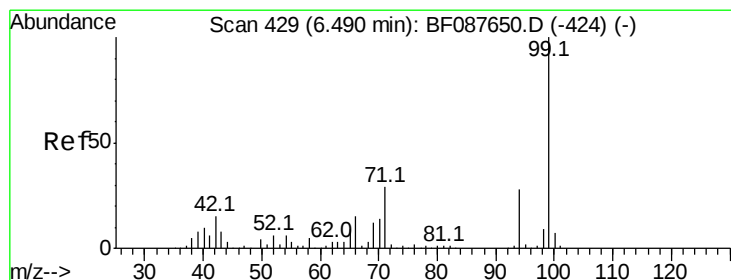
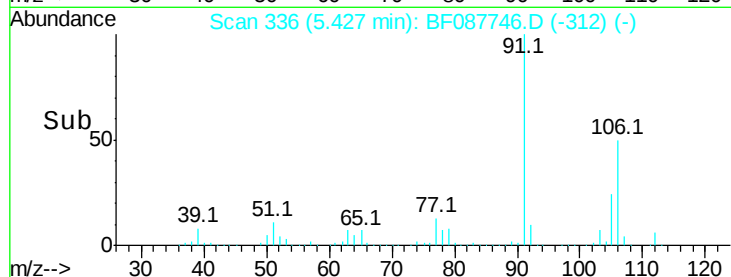
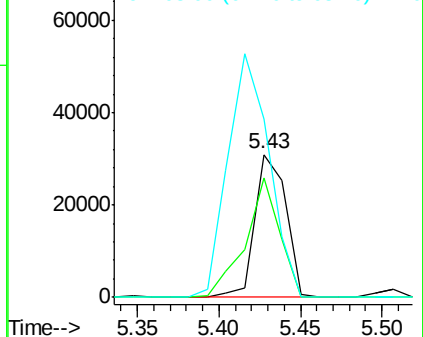
63 125.6 21.8 32.8#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 36.87 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

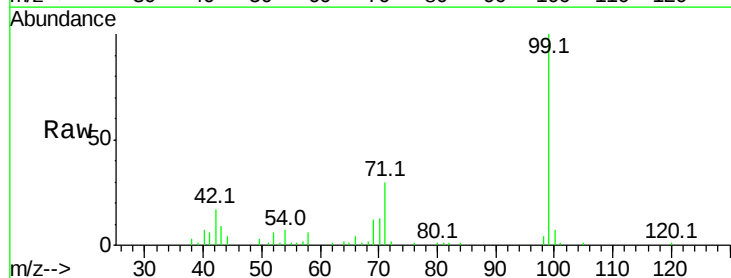
Tgt Ion: 99 Resp: 36649

Ion Ratio Lower Upper

99 100

42 16.5 12.2 18.2

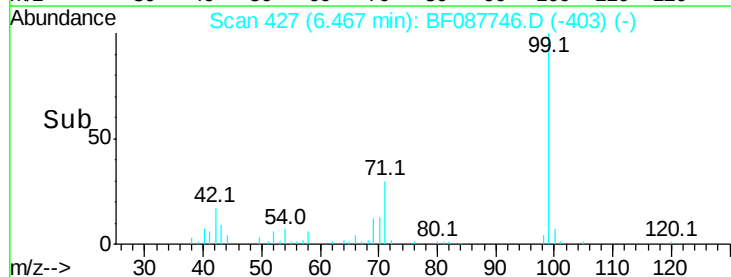
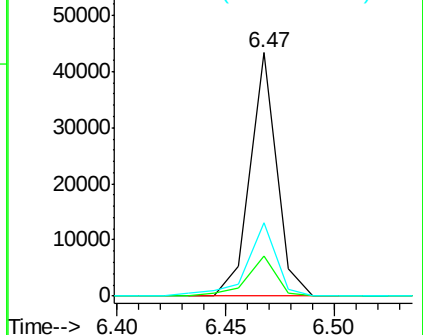
71 29.9 23.4 35.0

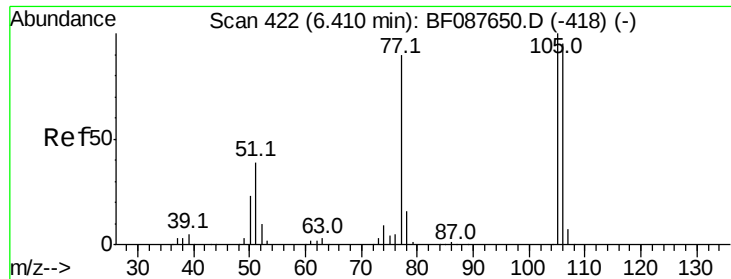


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 50.10 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.03 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

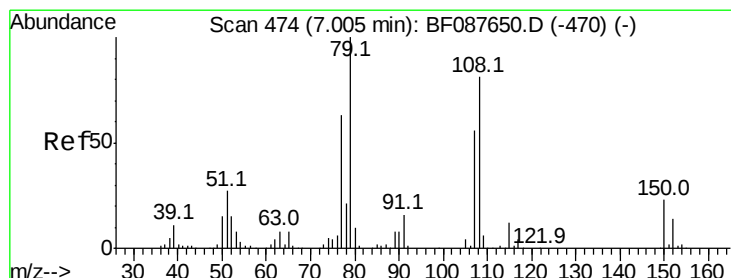
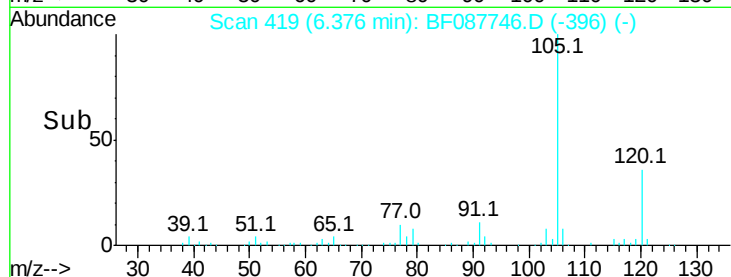
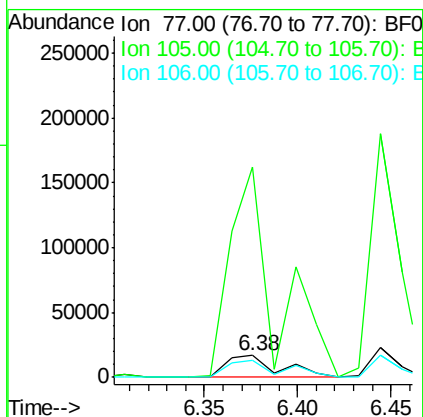
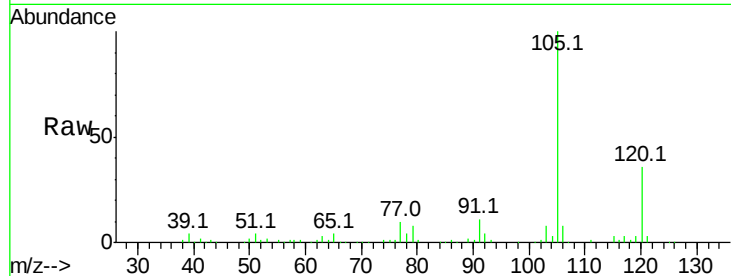
Tot Ion: 77 Resp: 33667

Ion Ratio Lower Upper

77 100

105 955.3 90.6 130.6#

106 78.7 85.3 125.3#



#15

Benzyl Alcohol

Concen: 3.71 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.00 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

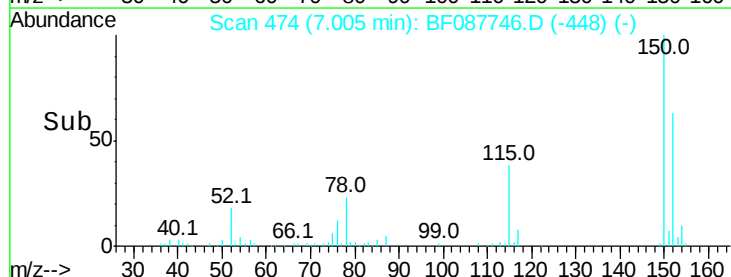
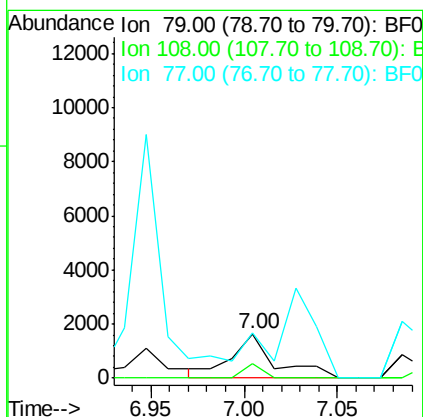
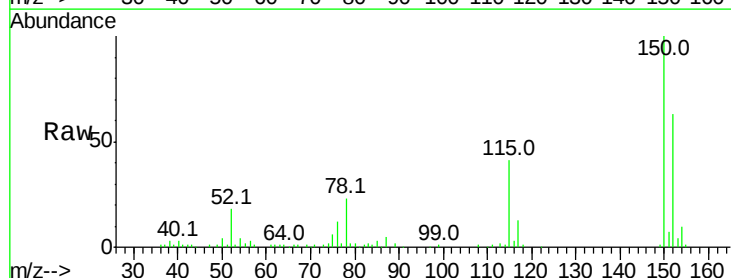
Tgt Ion: 79 Resp: 2727

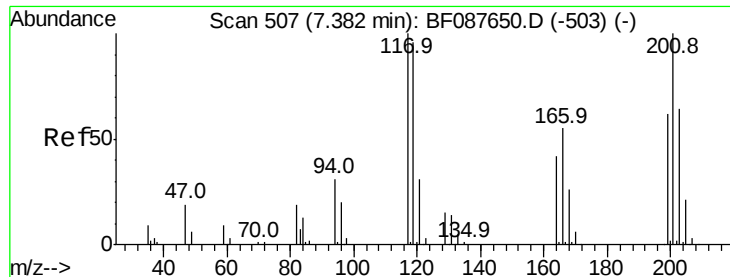
Ion Ratio Lower Upper

79 100

108 31.8 65.0 97.6#

77 101.0 50.3 75.5#

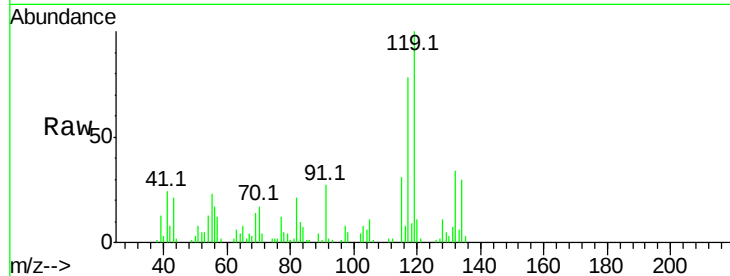




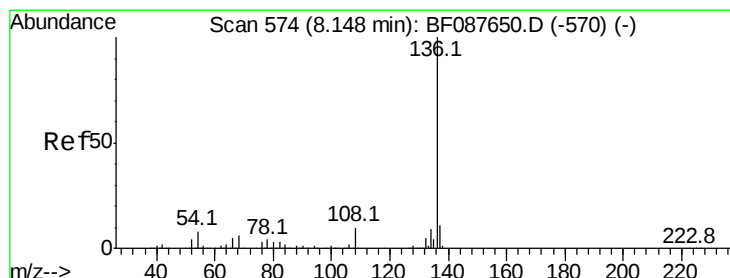
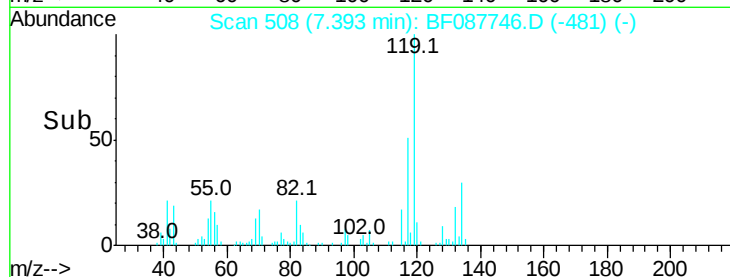
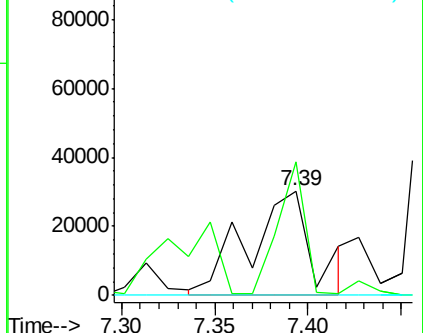
#18
Hexachloroethane
Concen: 213.33 ng
RT: 7.39 min Scan# 508
Delta R.T. 0.01 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Instrument :
BNA_F
ClientSampled :
WC-201605A

Tot Ion:117 Resp: 73097
Ion Ratio Lower Upper
117 100
119 127.5 77.4 116.2#
201 0.0 80.4 120.6#



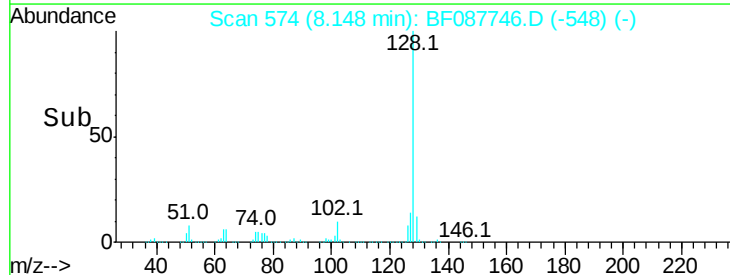
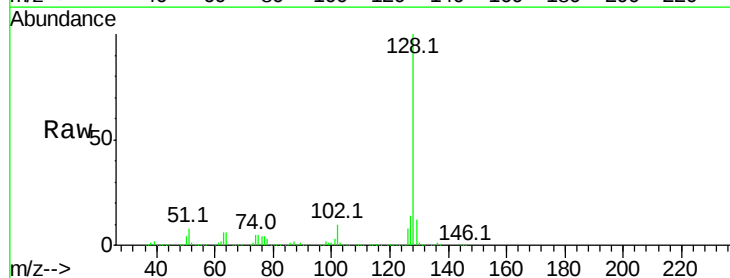
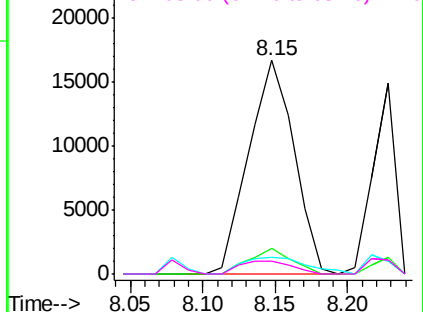
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

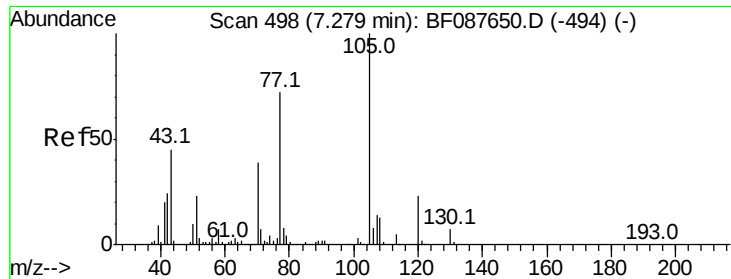


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Tgt Ion:136 Resp: 36182
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 7.8 6.6 10.0
68 6.0 5.1 7.7

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

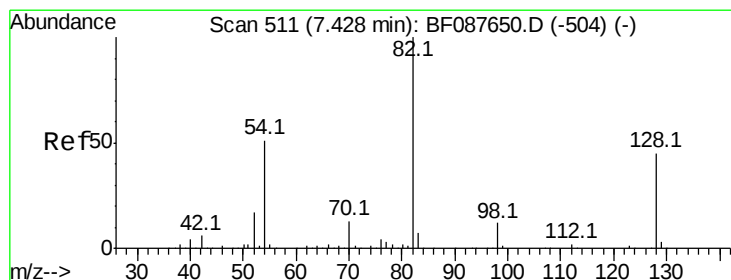
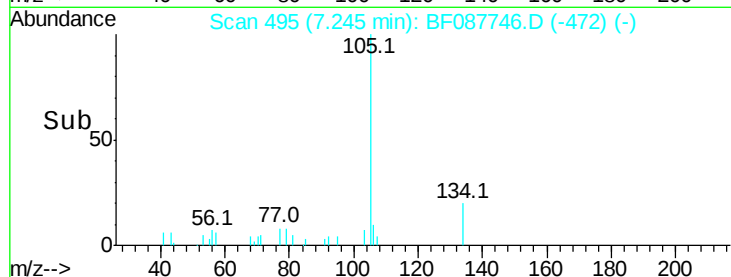
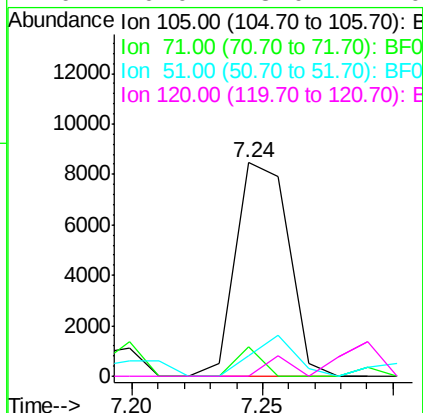
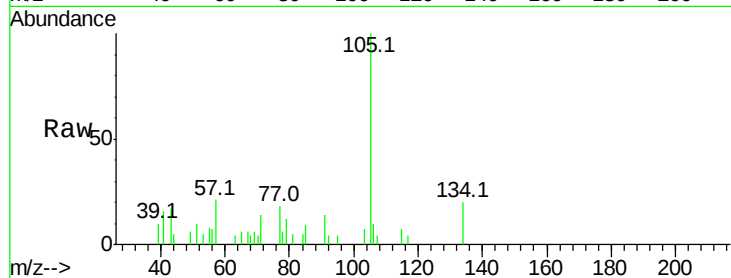




#22
Acetophenone
Concen: 14.52 ng
RT: 7.24 min Scan# 495
Delta R.T. -0.03 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

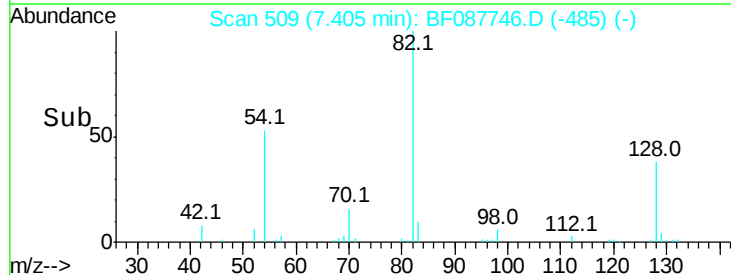
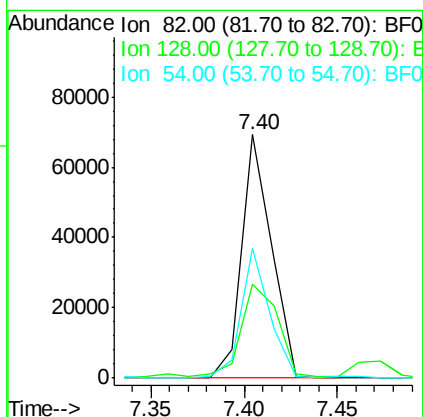
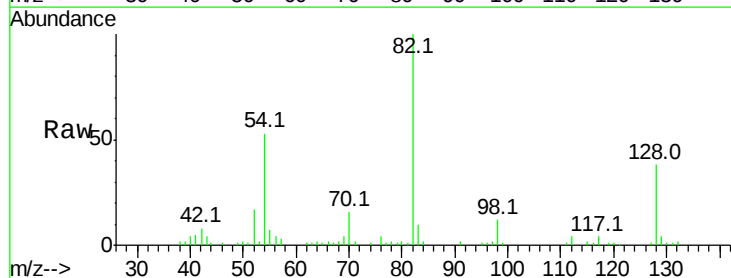
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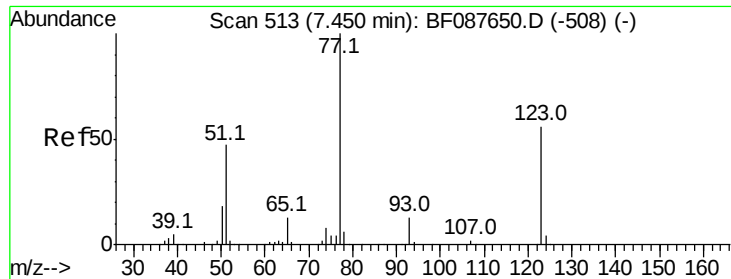
Tot Ion:105 Resp: 11903
Ion Ratio Lower Upper
105 100
71 13.8 5.3 7.9#
51 9.6 18.2 27.4#
120 0.0 18.0 27.0#



#23
Nitrobenzene-d5
Concen: 122.31 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.02 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Tgt Ion: 82 Resp: 76489
Ion Ratio Lower Upper
82 100
128 38.4 35.9 53.9
54 53.2 40.9 61.3

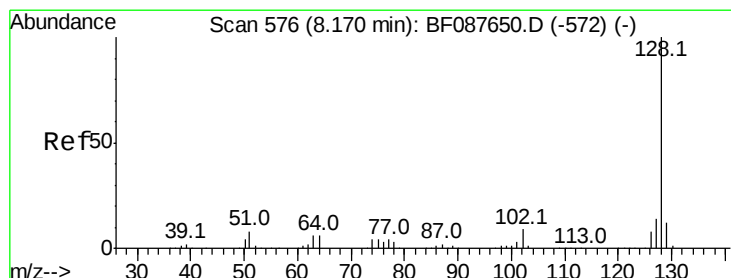
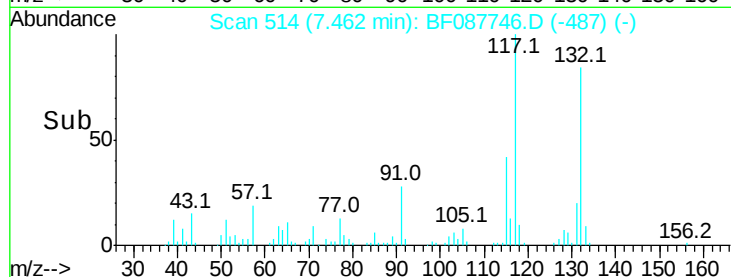
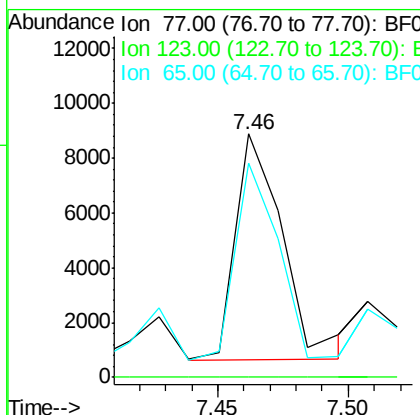
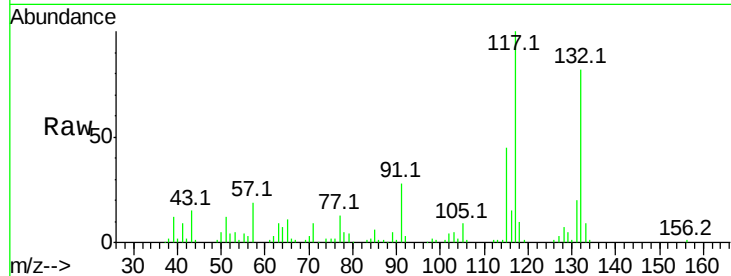




#24
Nitrobenzene
Concen: 16.85 ng
RT: 7.46 min Scan# 514
Delta R.T. 0.01 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

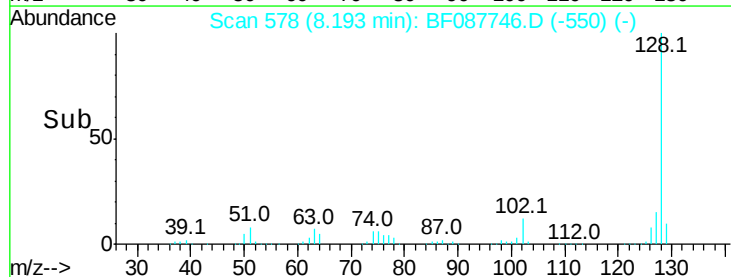
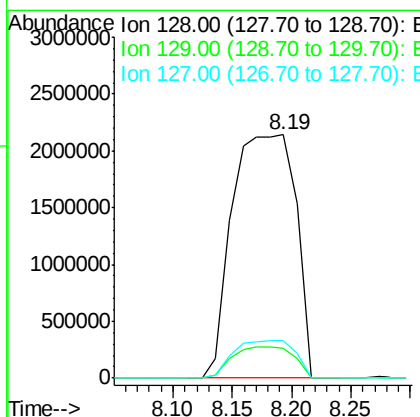
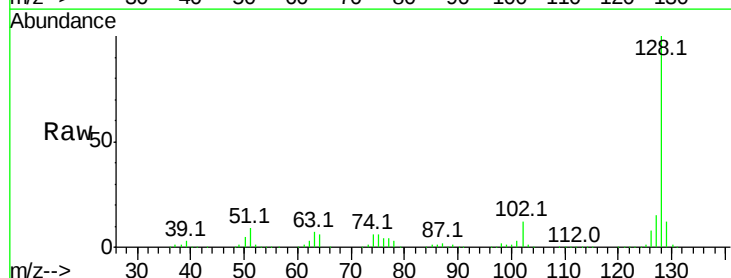
Instrument :
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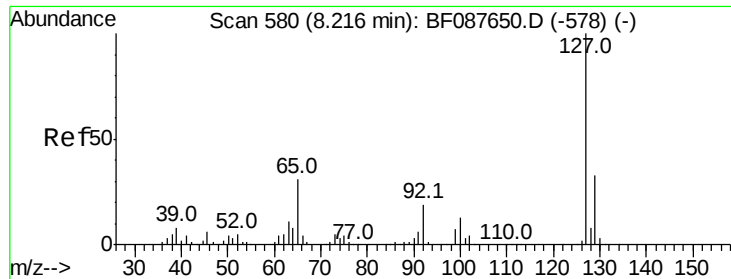
Tot Ion: 77 Resp: 10548
Ion Ratio Lower Upper
77 100
123 0.0 45.0 67.4#
65 87.9 10.2 15.2#



#31
Naphthalene
Concen: 4497.57 ng
RT: 8.19 min Scan# 578
Delta R.T. 0.02 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Tgt Ion:128 Resp: 7912143
Ion Ratio Lower Upper
128 100
129 12.4 9.4 14.2
127 15.2 10.9 16.3

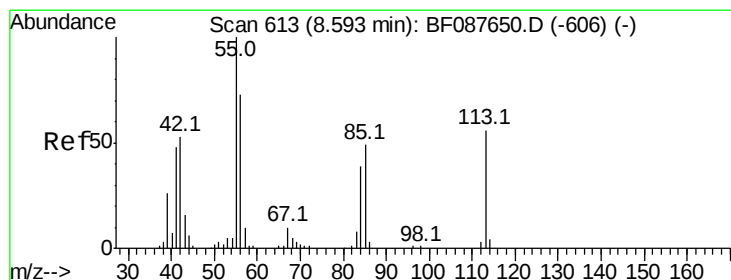
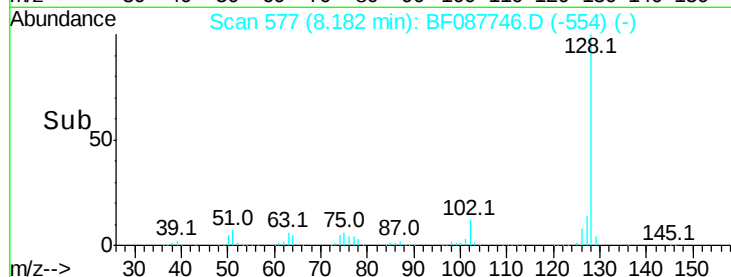
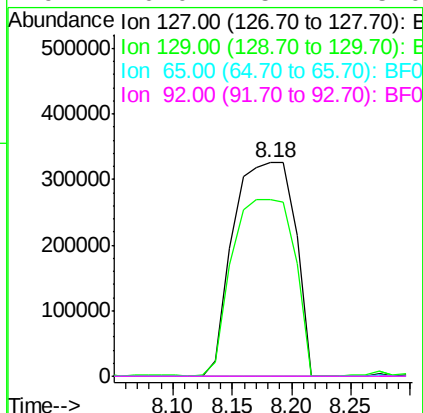
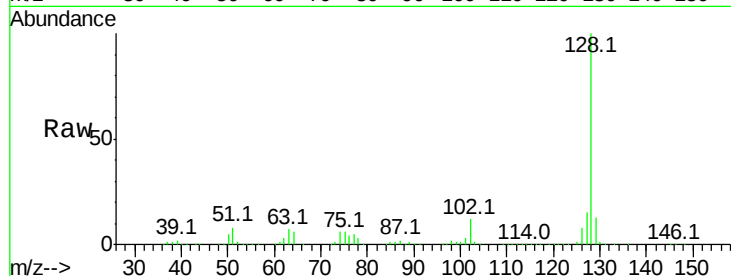




#33
4-Chloroaniline
Concen: 1531.59 ng
RT: 8.18 min Scan# 577
Delta R.T. -0.03 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

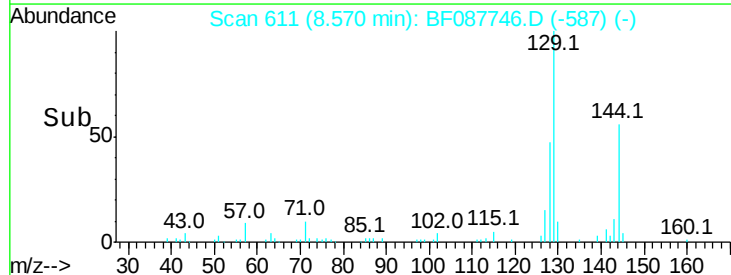
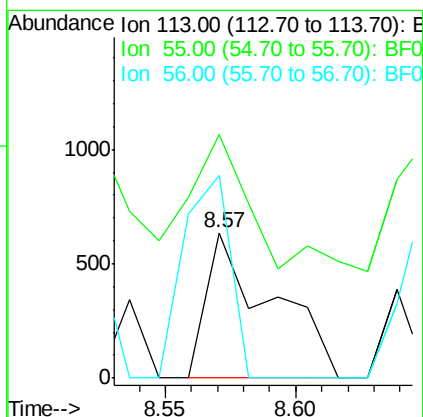
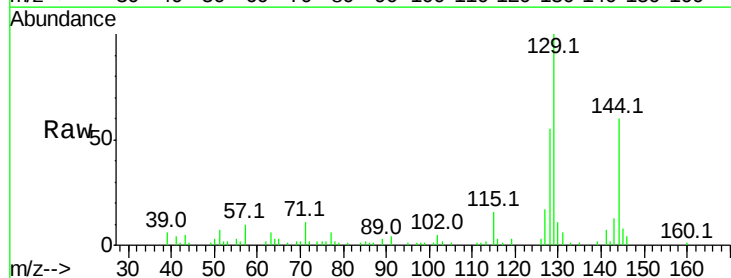
Instrument :
BNA_F
ClientSampleId :
WC-201605A

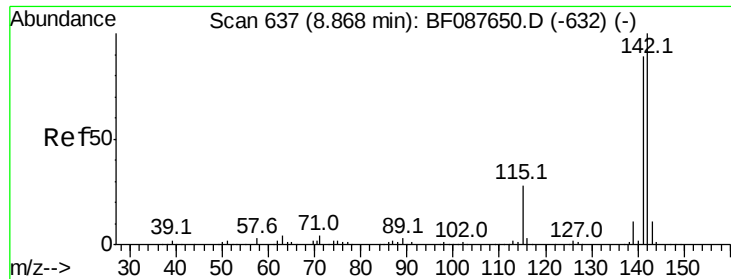
Tot Ion:127 Resp: 1170419
Ion Ratio Lower Upper
127 100
129 82.6 26.3 39.5#
65 0.0 24.7 37.1#
92 0.0 15.4 23.0#



#35
Caprolactam
Concen: 6.76 ng
RT: 8.57 min Scan# 611
Delta R.T. -0.02 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Tgt Ion:113 Resp: 1099
Ion Ratio Lower Upper
113 100
55 167.5 158.6 198.6
56 139.8 110.6 150.6

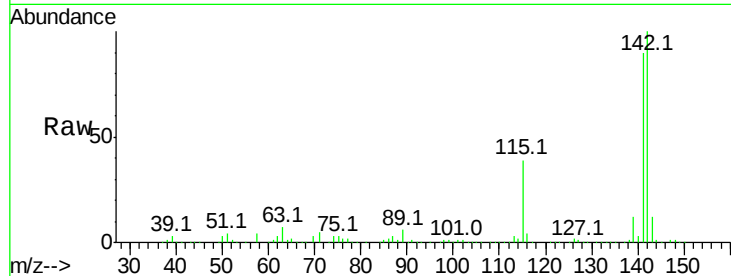




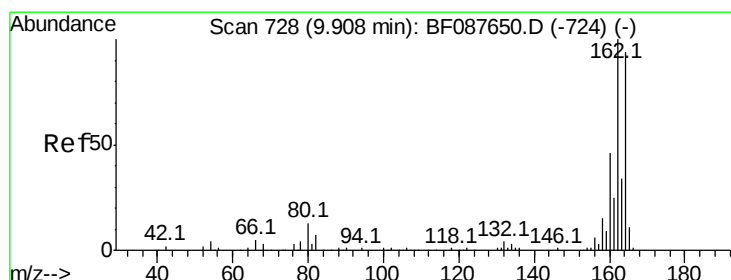
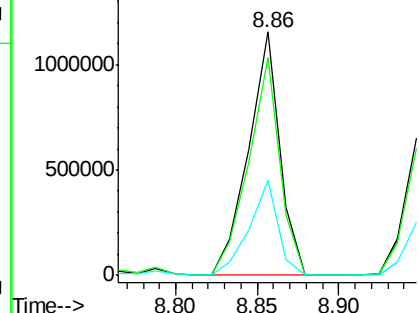
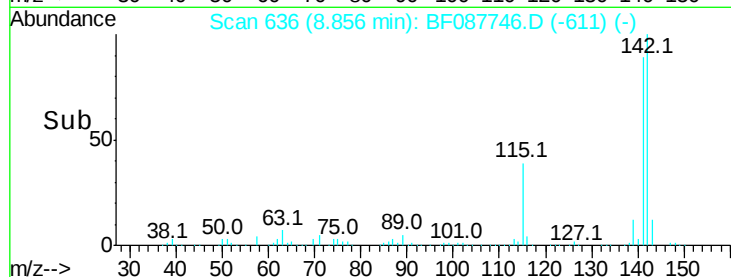
#37
2-Methylnaphthalene
Concen: 1331.72 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Instrument :
BNA_F
ClientSampleId :
WC-201605A

Tot Ion:142 Resp: 1547081
Ion Ratio Lower Upper
142 100
141 89.7 71.0 106.6
115 39.3 22.6 33.8#

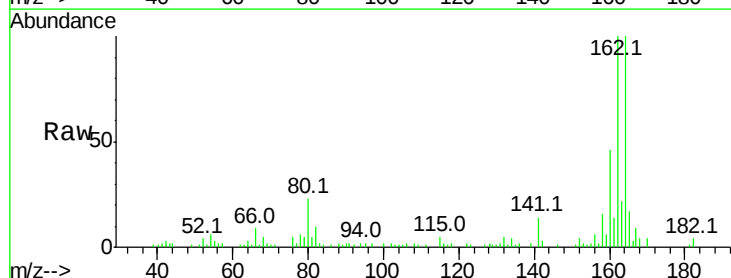


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

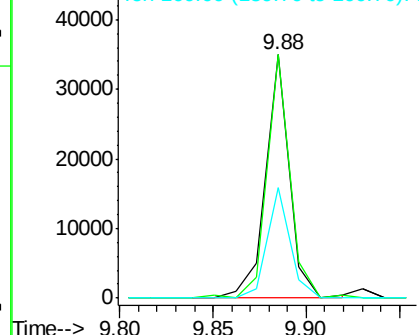
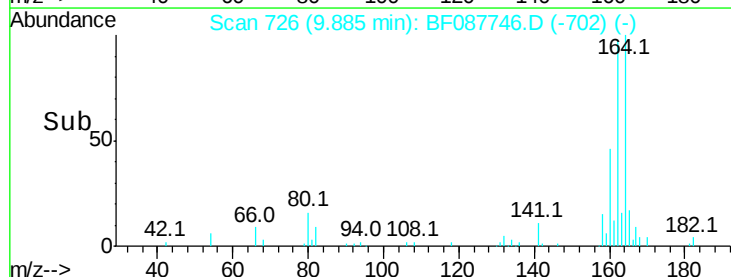


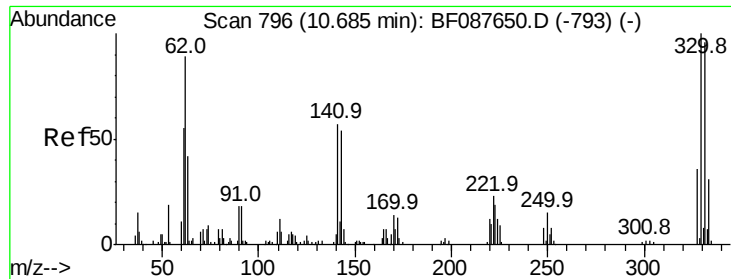
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Tgt Ion:164 Resp: 31411
Ion Ratio Lower Upper
164 100
162 100.1 85.4 128.2
160 45.6 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

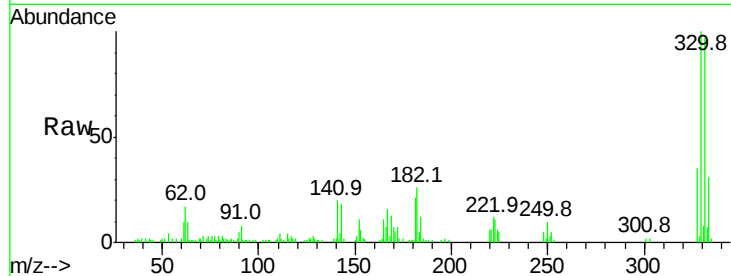




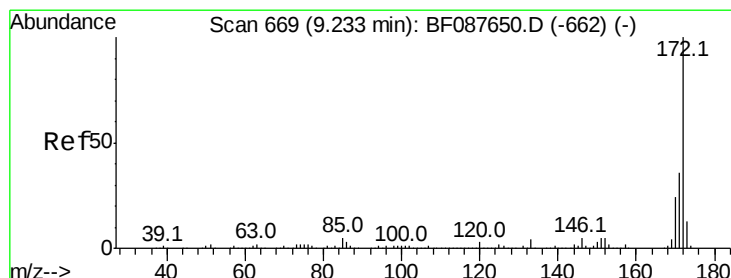
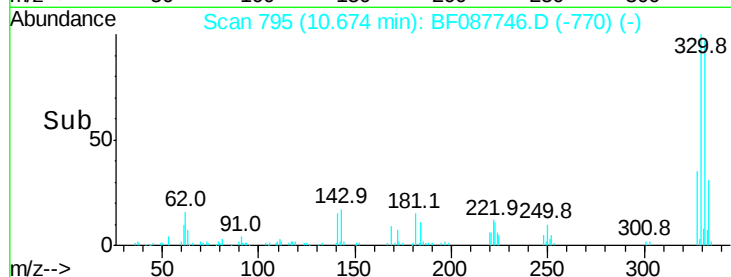
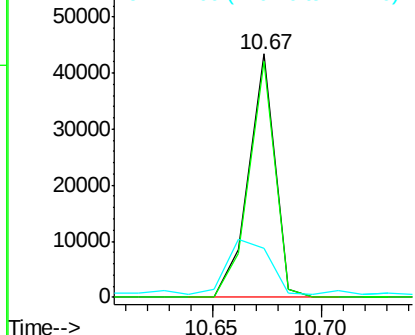
#41
 2,4,6-Tribromophenol
 Concen: 116.35 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087746.D
 Acq: 6 Jun 2016 12:14

Instrument :
 BNA_F
 ClientSampleId :
 WC-201605A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	37.1	0.0	0.0#

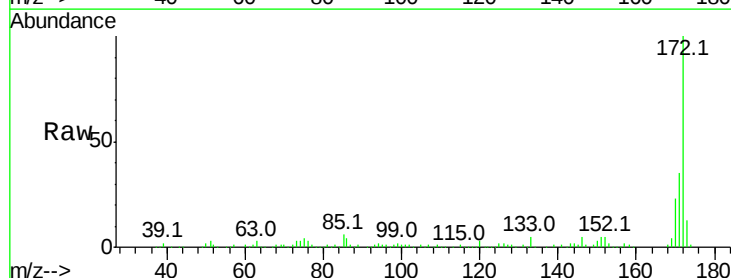


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

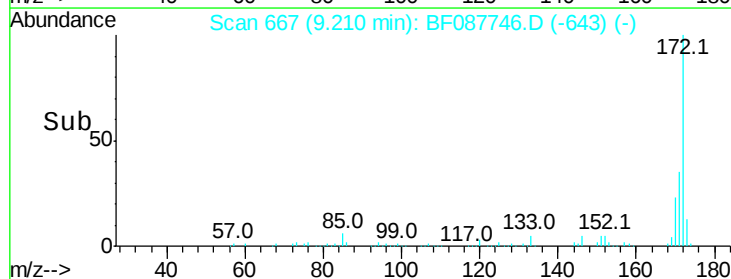
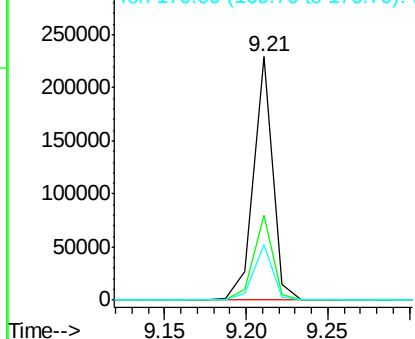


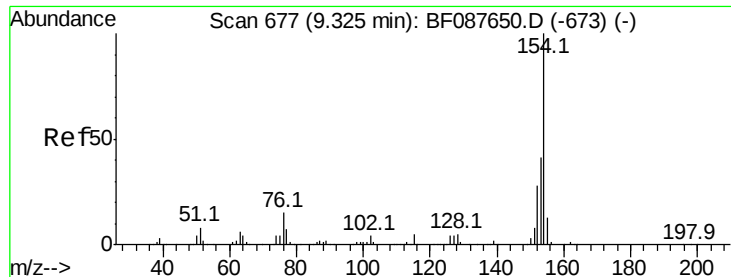
#44
 2-Fluorobiphenyl
 Concen: 95.04 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087746.D
 Acq: 6 Jun 2016 12:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	23.0	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

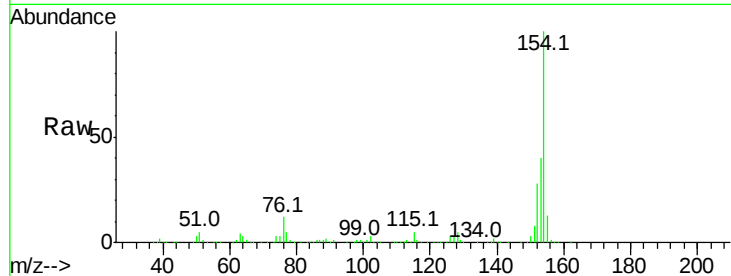




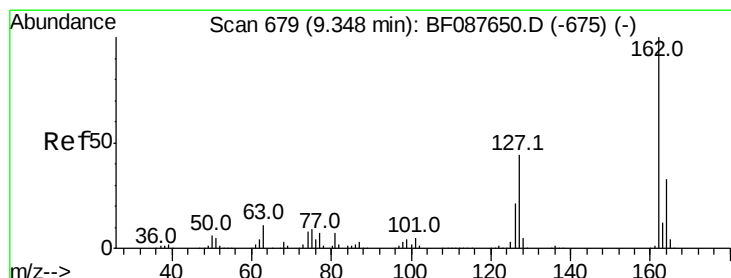
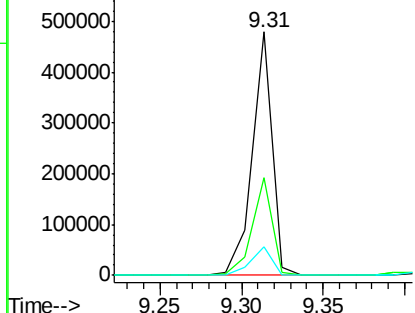
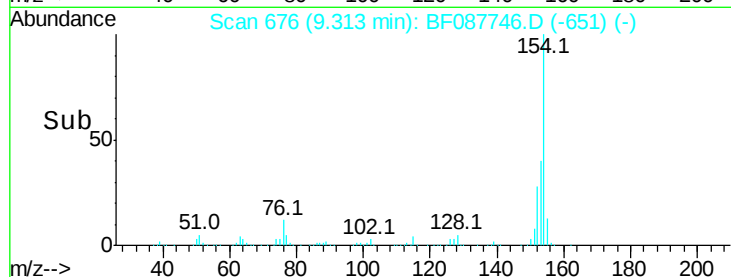
#45
 1,1'-Biphenyl
 Concen: 159.28 ng
 RT: 9.31 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF087746.D
 Acq: 6 Jun 2016 12:14

Instrument :
 BNA_F
 ClientSampleId :
 WC-201605A

Tot Ion:154 Resp: 406046
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.6 60.6
 76 11.9 0.0 35.1

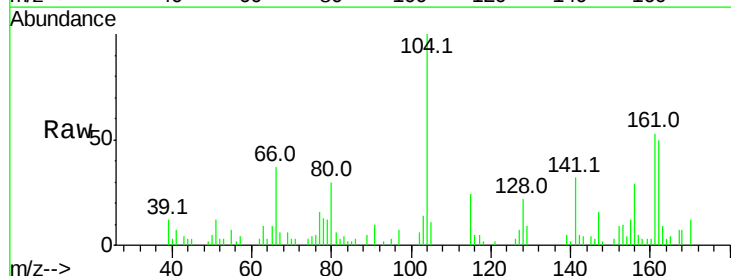


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

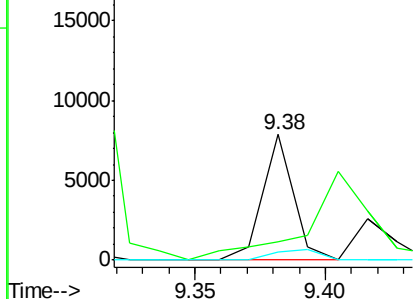
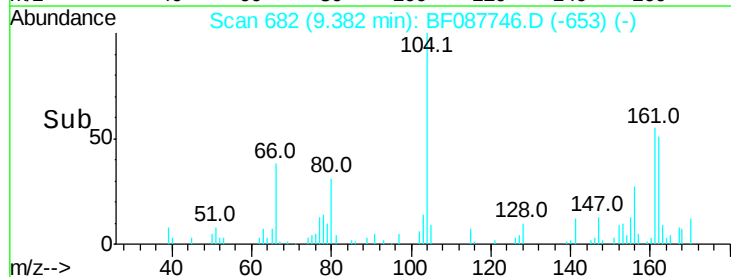


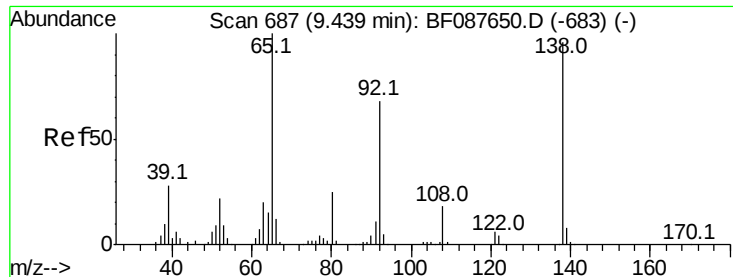
#46
 2-Chloronaphthalene
 Concen: 3.21 ng
 RT: 9.38 min Scan# 682
 Delta R.T. 0.03 min
 Lab File: BF087746.D
 Acq: 6 Jun 2016 12:14

Tgt Ion:162 Resp: 6510
 Ion Ratio Lower Upper
 162 100
 127 14.5 35.2 52.8#
 164 6.6 26.6 39.8#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 7.95 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.03 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

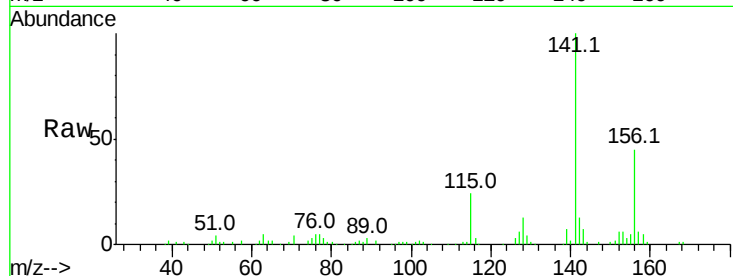
Tot Ion: 65 Resp: 4544

Ion Ratio Lower Upper

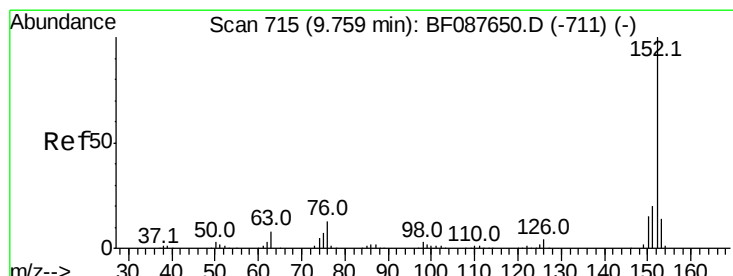
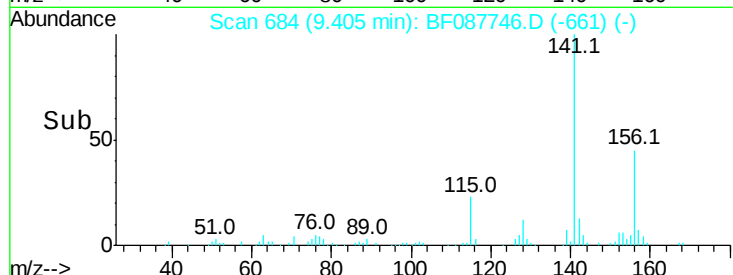
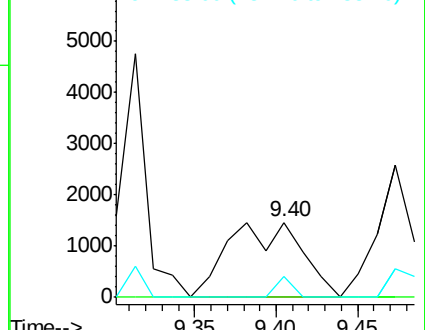
65 100

92 0.0 54.6 82.0#

138 28.6 77.0 115.4#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 582.45 ng

RT: 9.76 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

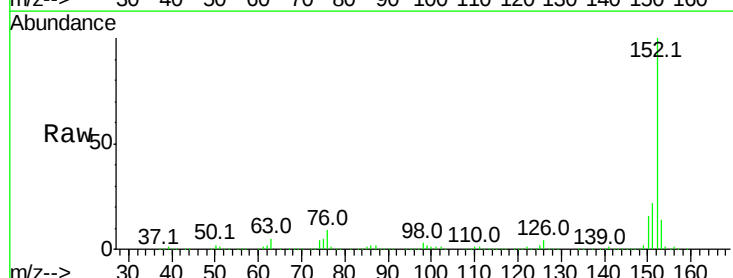
Tgt Ion:152 Resp: 1843220

Ion Ratio Lower Upper

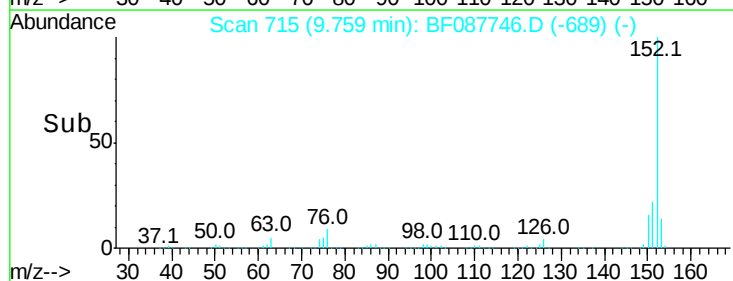
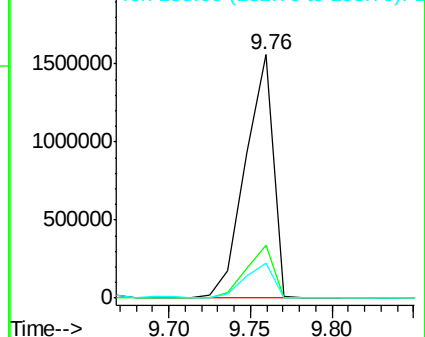
152 100

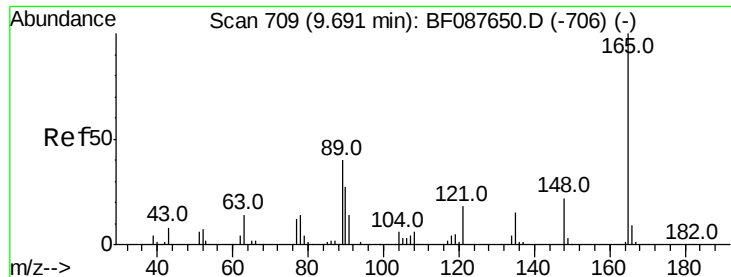
151 21.6 16.2 24.4

153 14.2 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

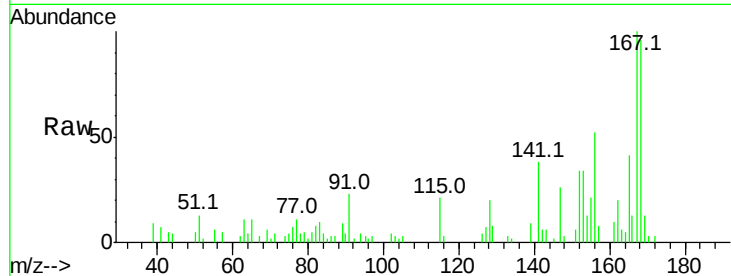




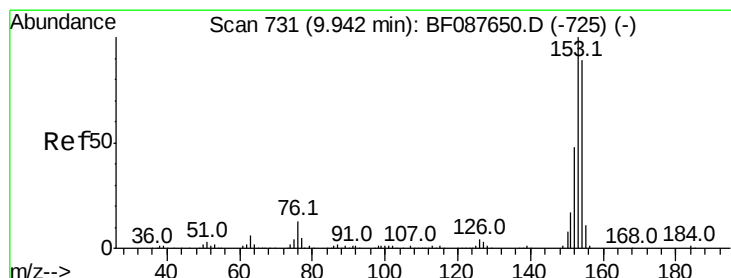
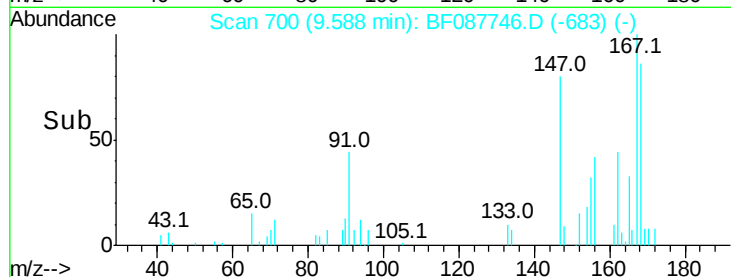
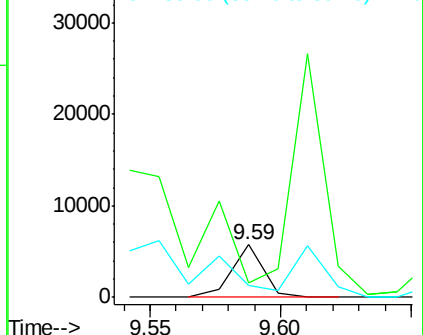
#50
2,6-Dinitrotoluene
Concen: 9.40 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.10 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Instrument :
BNA_F
ClientSampleId :
WC-201605A

Tot Ion:165 Resp: 4885
Ion Ratio Lower Upper
165 100
63 26.9 28.1 42.1#
89 22.3 32.2 48.2#

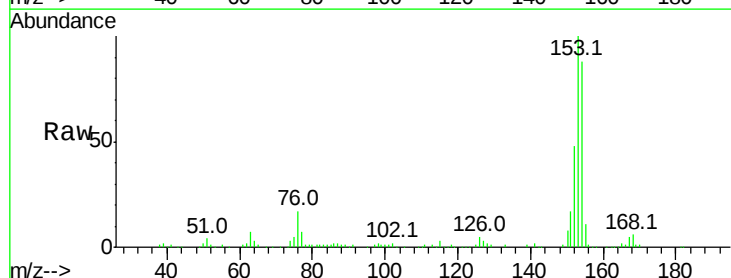


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

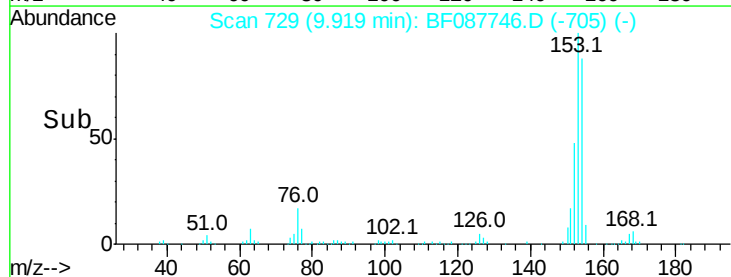
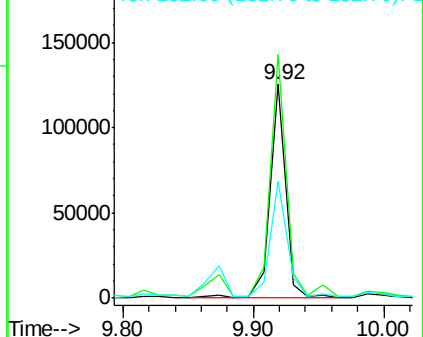


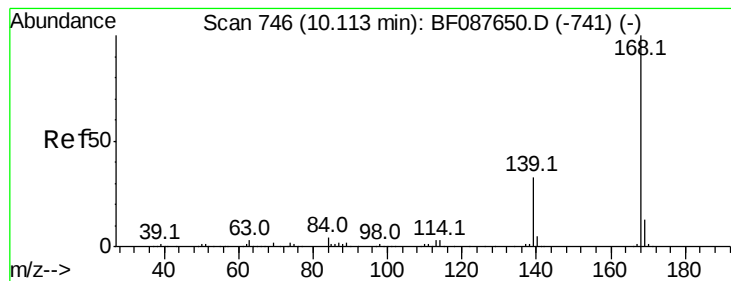
#51
Acenaphthene
Concen: 51.33 ng
RT: 9.92 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Tgt Ion:154 Resp: 104519
Ion Ratio Lower Upper
154 100
153 113.7 89.5 134.3
152 54.8 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 18.75 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

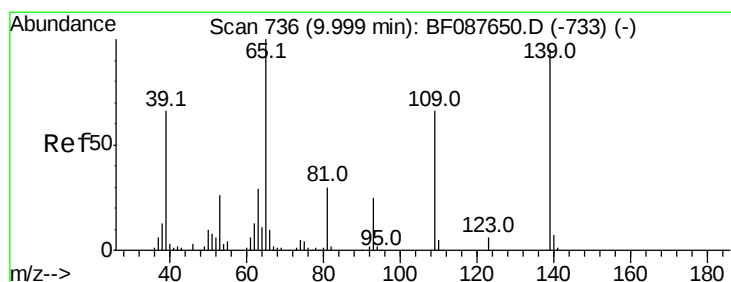
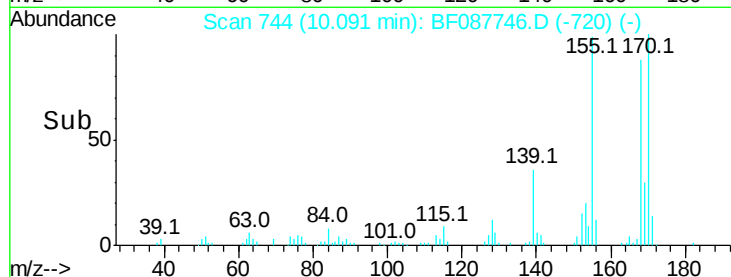
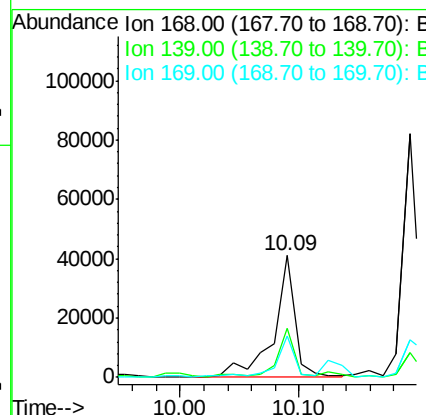
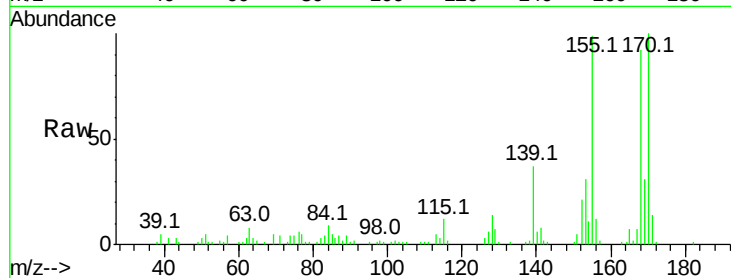
Tot Ion:168 Resp: 51975

Ion Ratio Lower Upper

168 100

139 39.8 26.4 39.6#

169 33.6 10.4 15.6#



#55

4-Nitrophenol

Concen: 5.46 ng

RT: 9.99 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

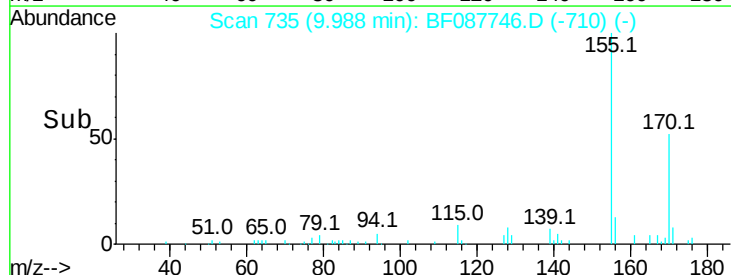
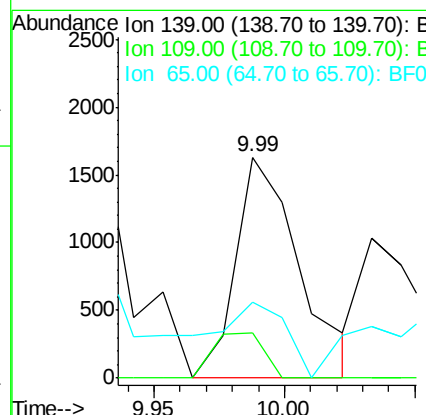
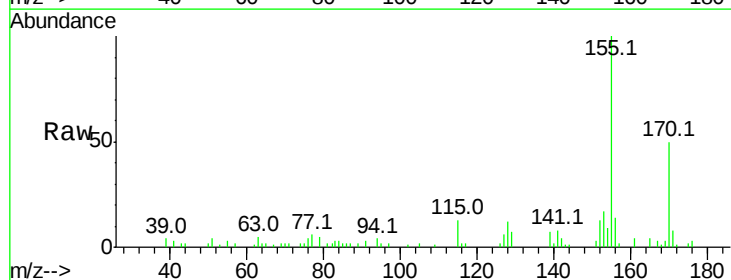
Tgt Ion:139 Resp: 2774

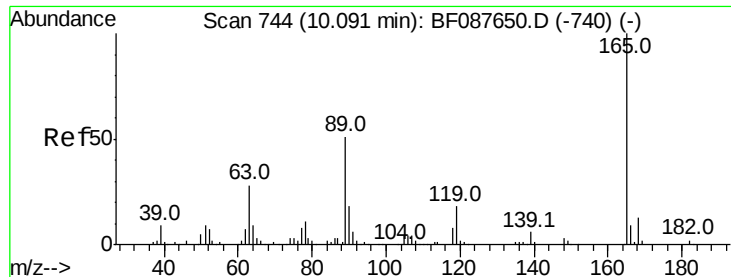
Ion Ratio Lower Upper

139 100

109 20.7 48.9 88.9#

65 34.4 84.9 124.9#





#56

2,4-Dinitrotoluene

Concen: 14.36 ng

RT: 10.07 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

Tot Ion:165 Resp: 9500

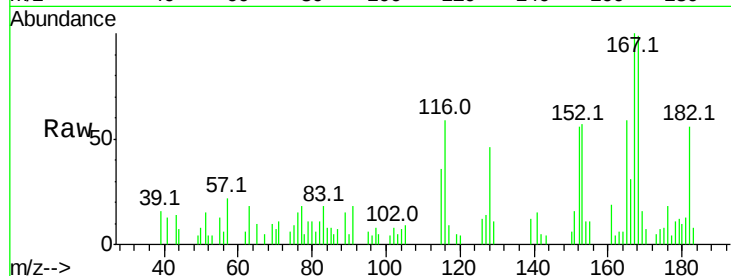
Ion Ratio Lower Upper

165 100

63 30.1 22.0 33.0

89 24.7 41.1 61.7#

182 94.3 2.0 3.0#

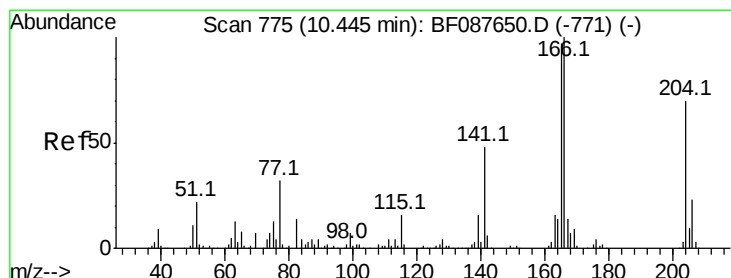
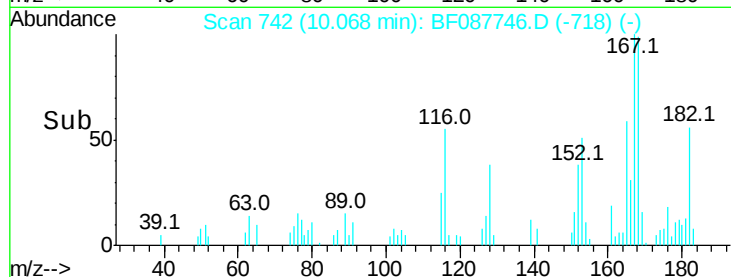
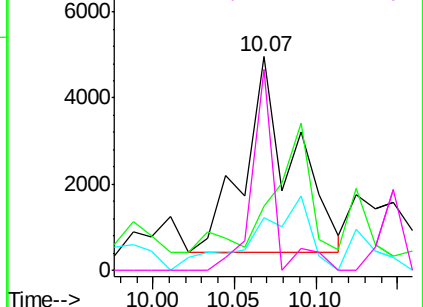


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 275.47 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

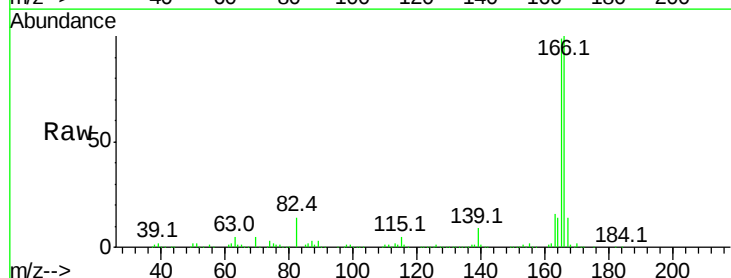
Tgt Ion:166 Resp: 596944

Ion Ratio Lower Upper

166 100

165 98.9 77.8 116.8

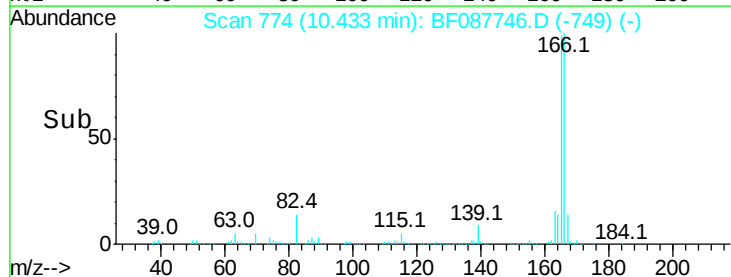
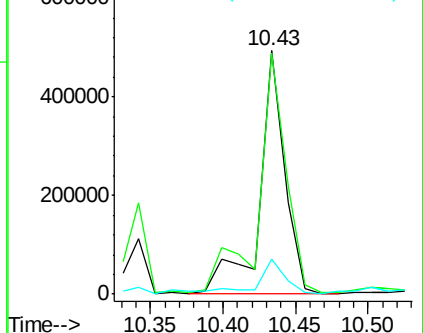
167 14.1 11.2 16.8

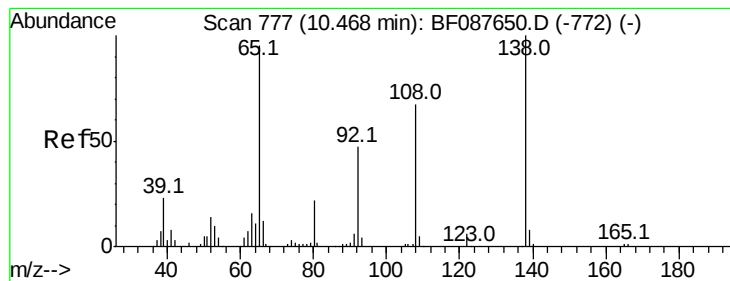


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 12.40 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.03 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

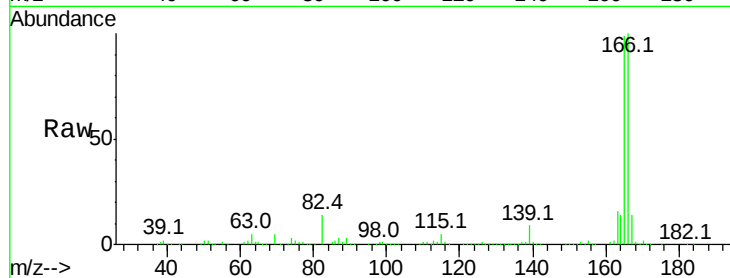
Tot Ion:138 Resp: 7083

Ion Ratio Lower Upper

138 100

92 0.0 27.3 67.3#

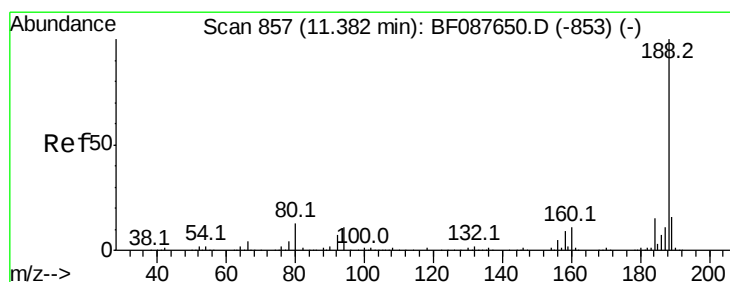
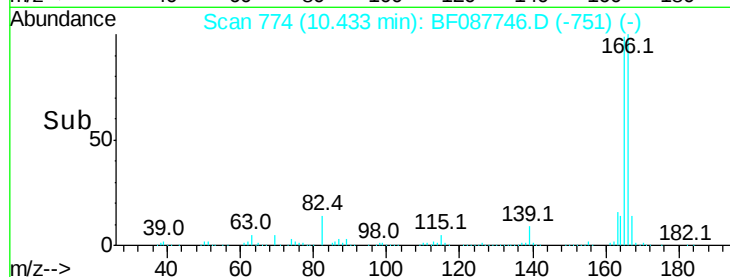
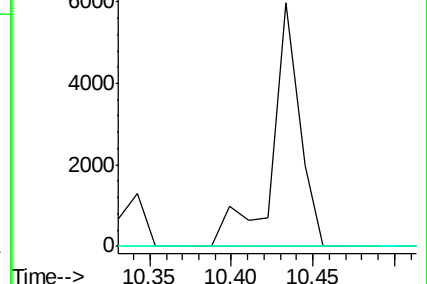
108 0.0 46.7 86.7#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

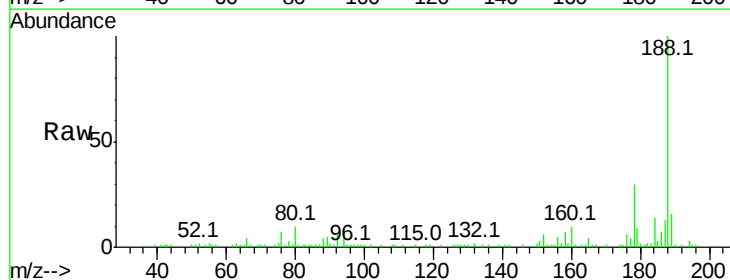
Tgt Ion:188 Resp: 50699

Ion Ratio Lower Upper

188 100

94 9.3 9.0 13.6

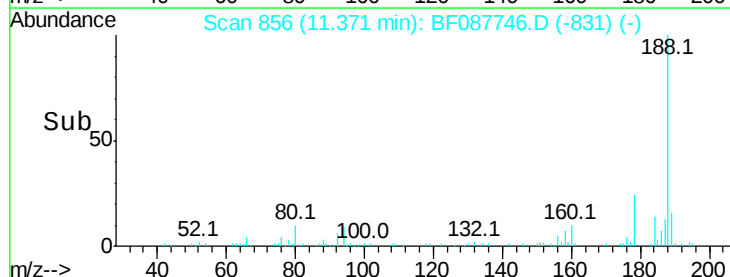
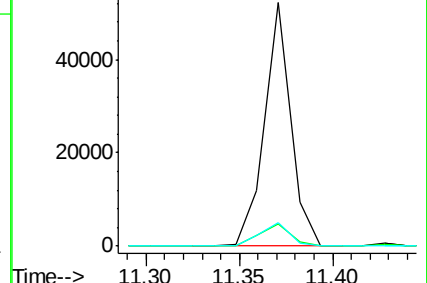
80 9.7 10.0 15.0#

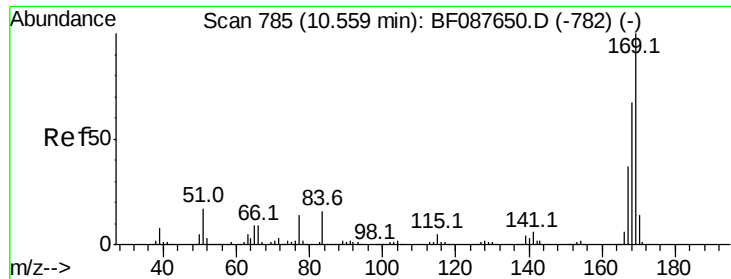


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.25 ng

RT: 10.52 min Scan# 782

Delta R.T. -0.03 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

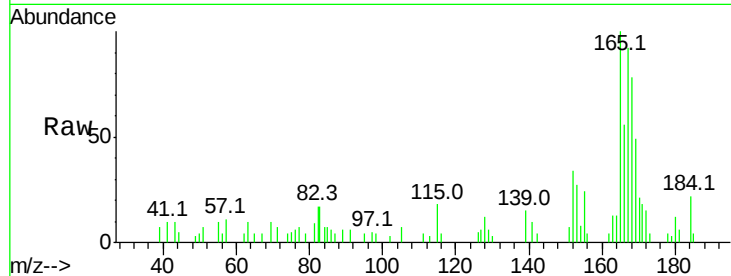
Tot Ion:169 Resp: 3734

Ion Ratio Lower Upper

169 100

168 159.5 53.4 80.0#

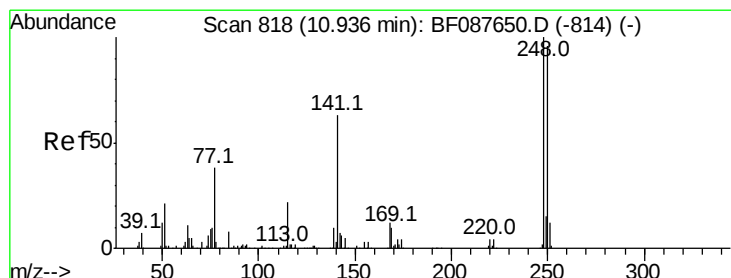
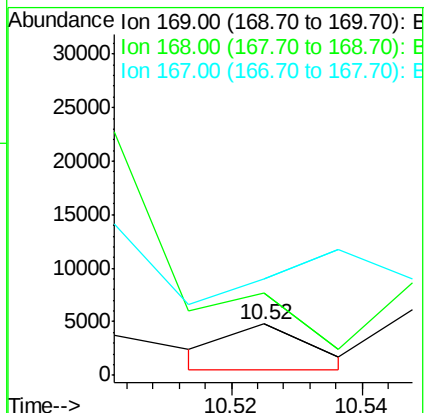
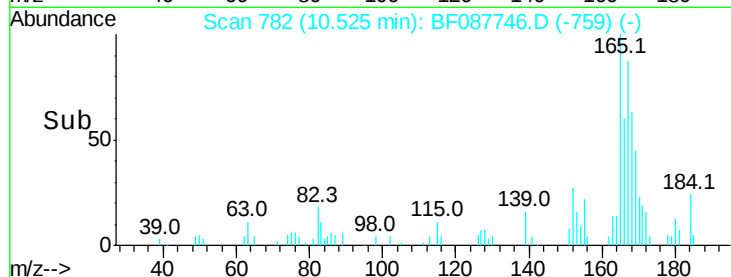
167 188.2 29.4 44.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.22 ng

RT: 10.67 min Scan# 795

Delta R.T. -0.26 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

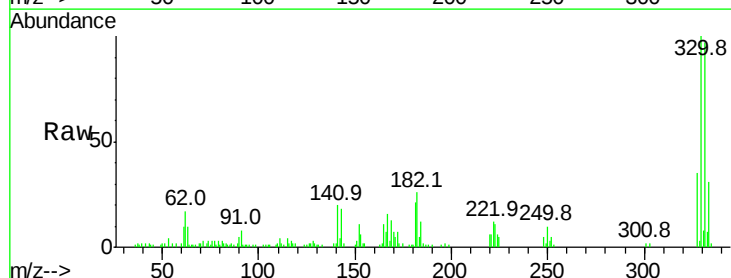
Tgt Ion:248 Resp: 2124

Ion Ratio Lower Upper

248 100

250 203.1 77.1 115.7#

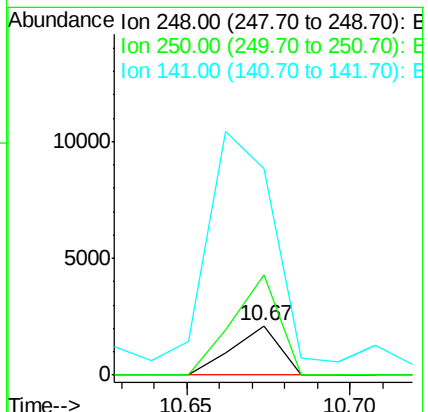
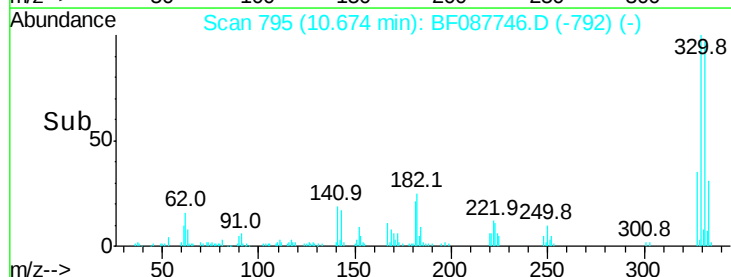
141 416.3 50.6 76.0#

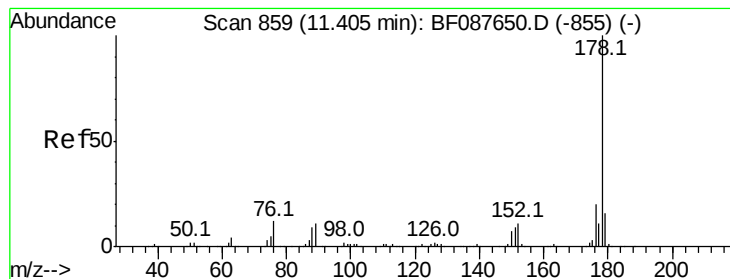


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 674.83 ng

RT: 11.40 min Scan# 859

Delta R.T. -0.00 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

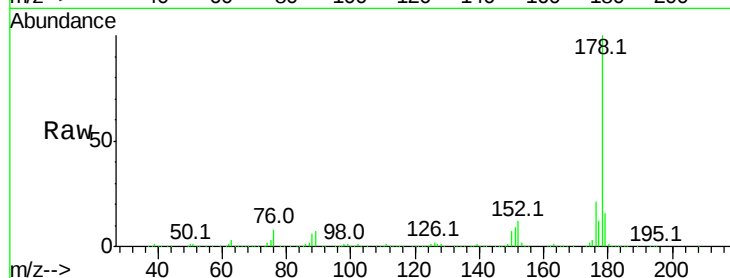
Tot Ion:178 Resp: 1855031

Ion Ratio Lower Upper

178 100

176 20.8 15.8 23.6

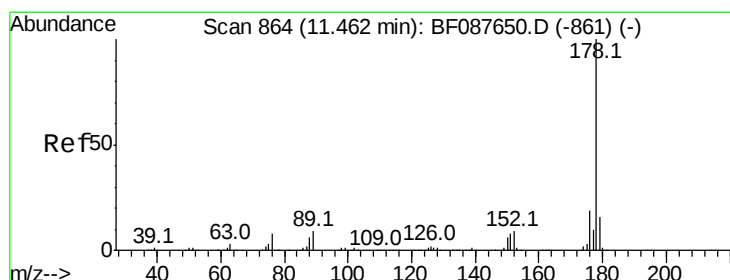
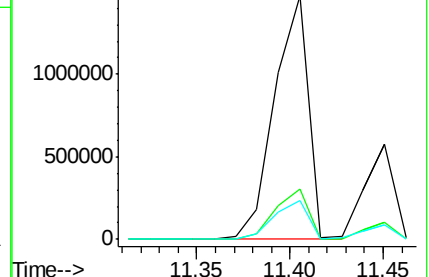
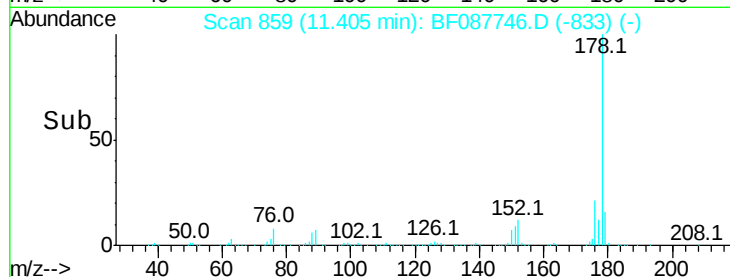
179 15.9 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 221.07 ng

RT: 11.45 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

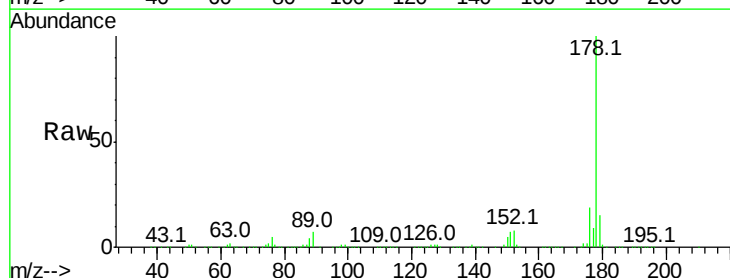
Tgt Ion:178 Resp: 608907

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

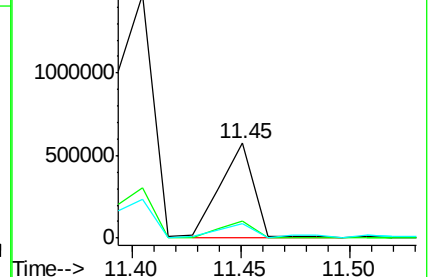
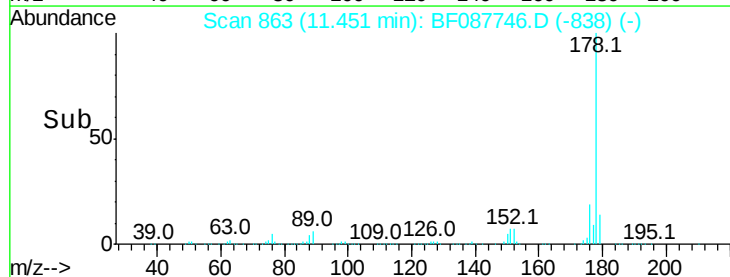
179 15.2 12.8 19.2

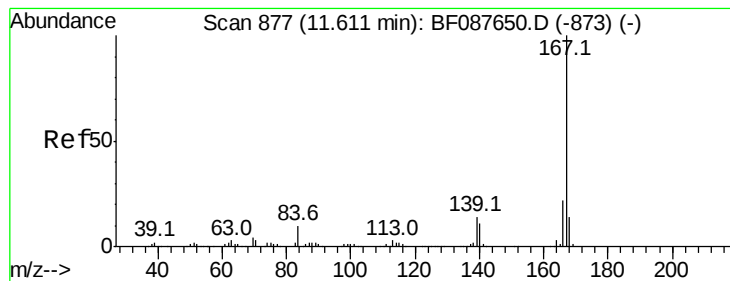


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.77 ng

RT: 11.60 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

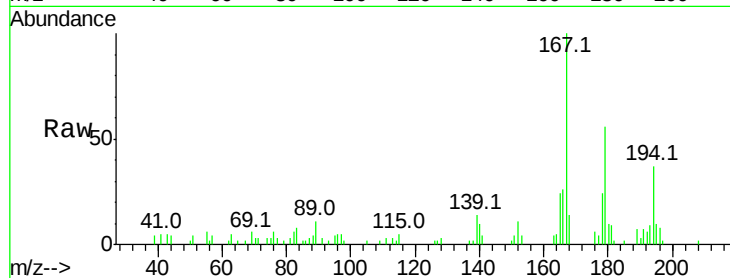
Tot Ion:167 Resp: 17648

Ion Ratio Lower Upper

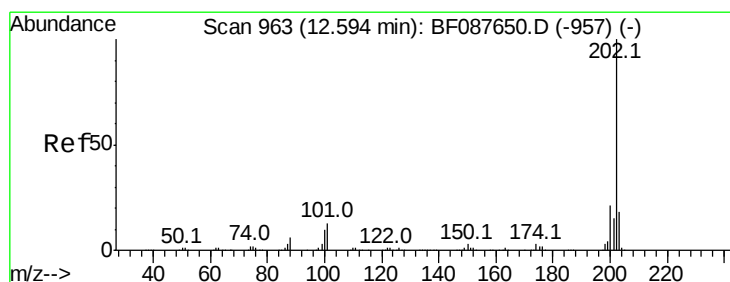
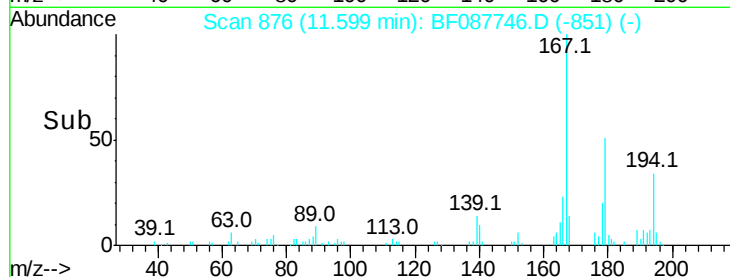
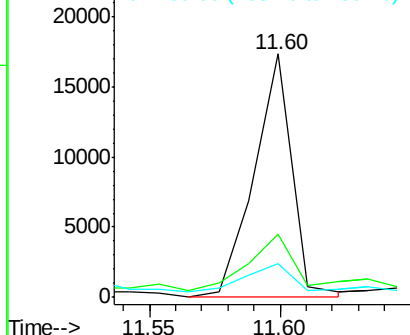
167 100

166 26.0 17.8 26.6

139 13.7 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 299.02 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

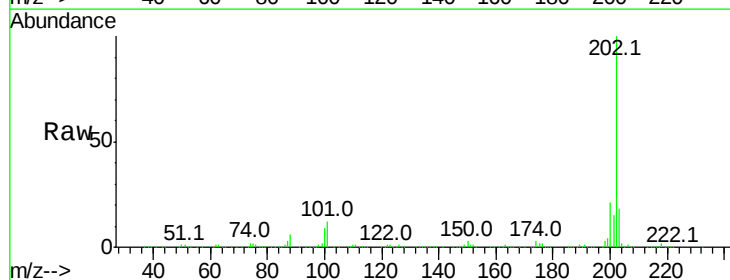
Tgt Ion:202 Resp: 808861

Ion Ratio Lower Upper

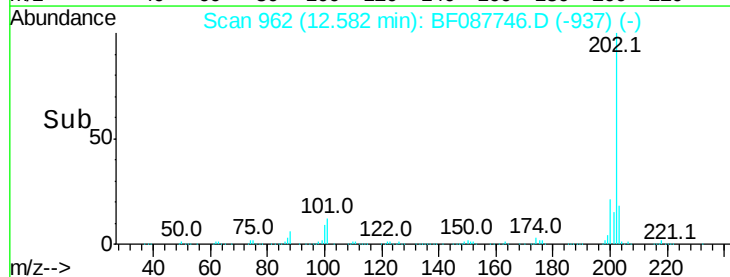
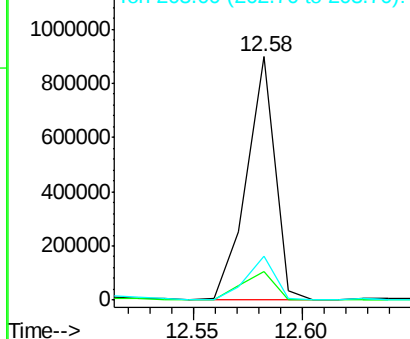
202 100

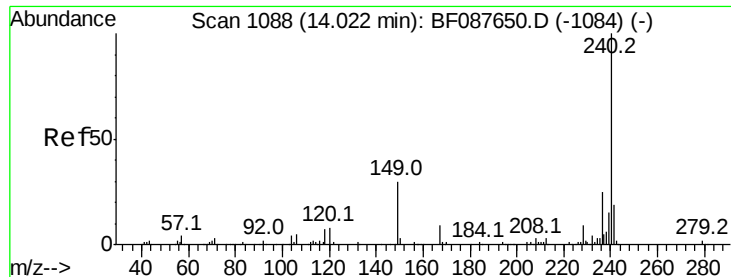
101 11.8 0.0 33.1

203 18.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

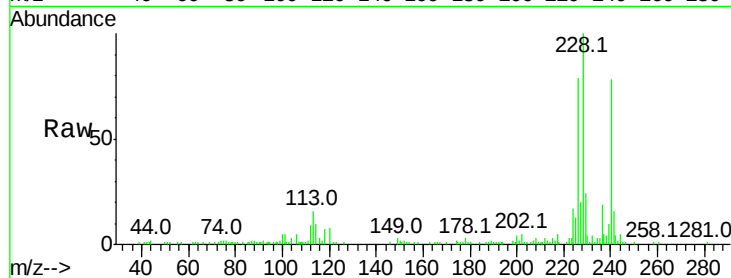
Tot Ion:240 Resp: 44579

Ion Ratio Lower Upper

240 100

120 10.6 6.8 10.2#

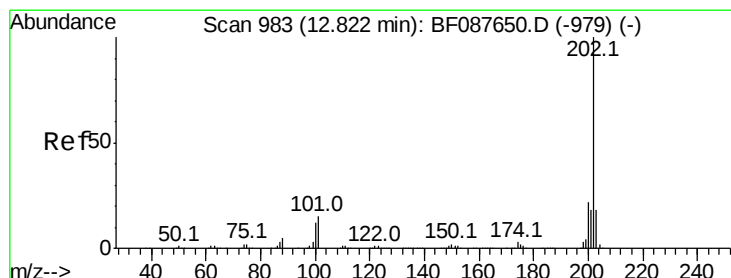
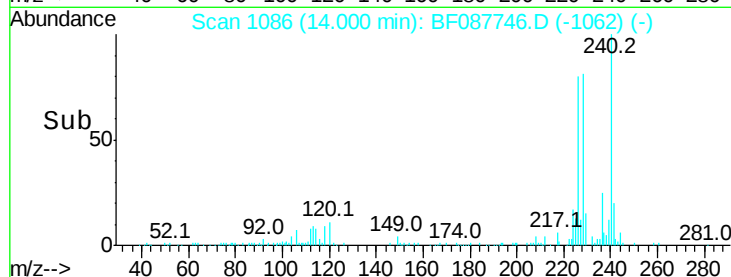
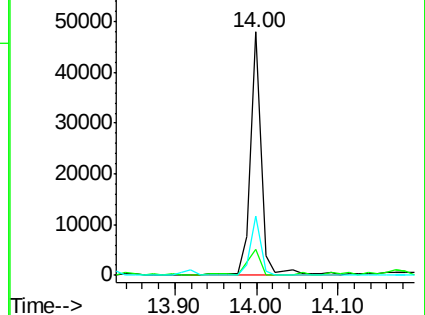
236 24.6 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 331.57 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

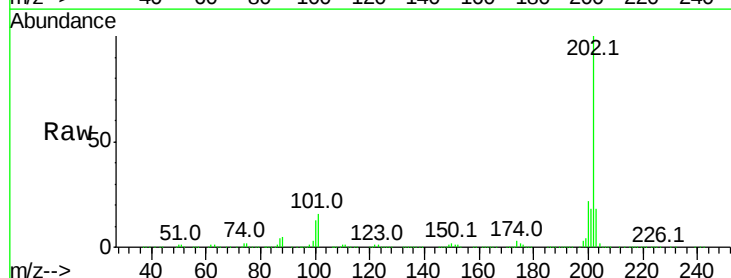
Tgt Ion:202 Resp: 1052518

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

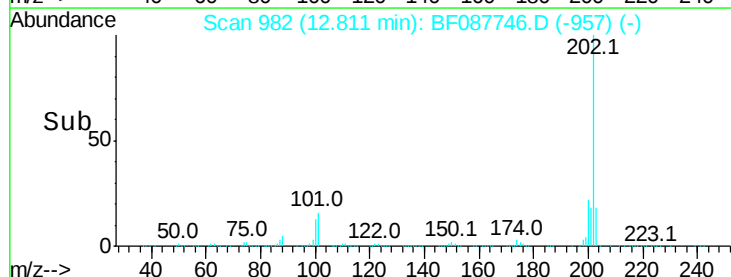
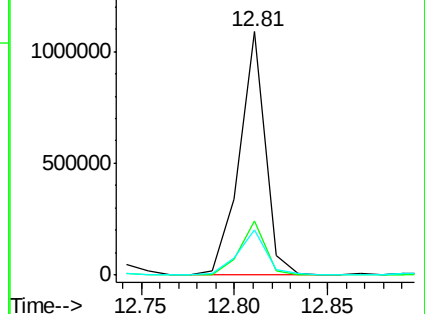
203 18.4 14.5 21.7

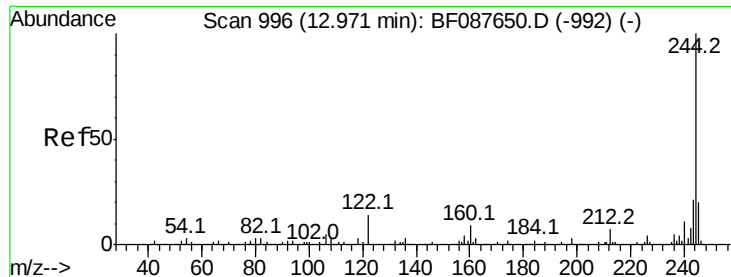


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

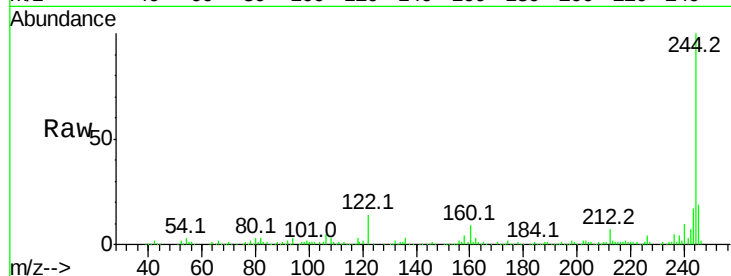




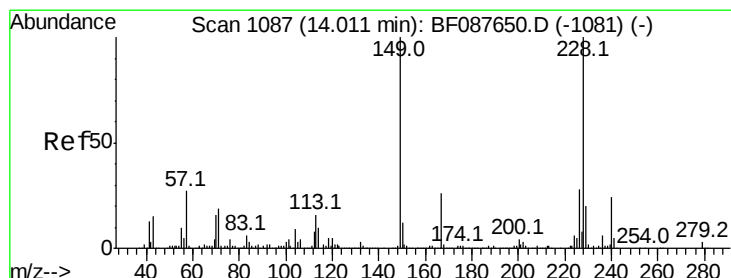
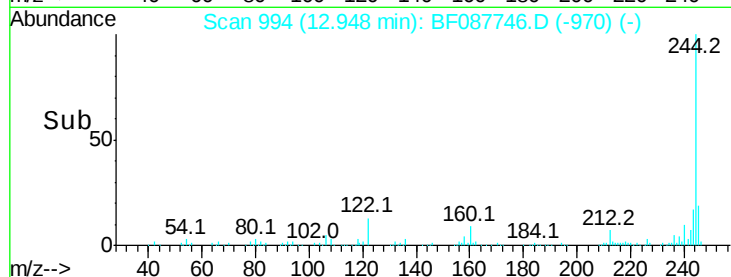
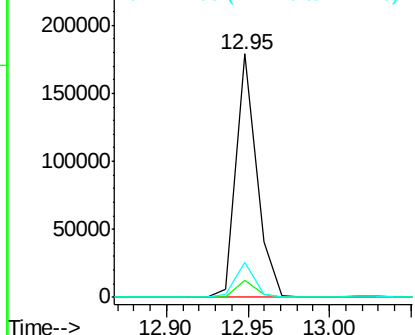
#78
 Terphenyl-d14
 Concen: 85.24 ng
 RT: 12.95 min Scan# 994
 Delta R.T. -0.02 min
 Lab File: BF087746.D
 Acq: 6 Jun 2016 12:14

Instrument :
 BNA_F
 ClientSampleId :
 WC-201605A

Tot Ion:244 Resp: 155722
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.5 11.2 16.8

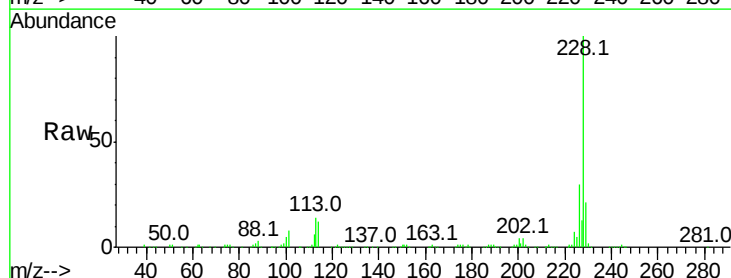


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

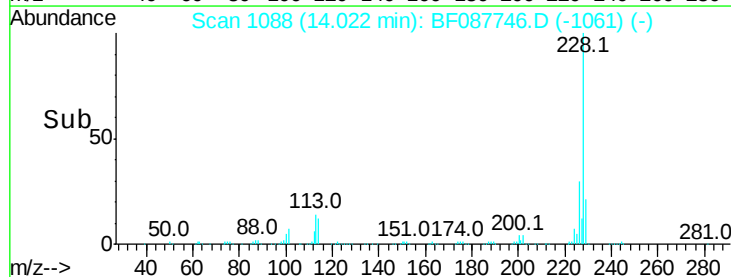
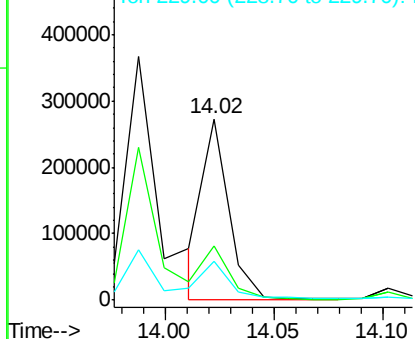


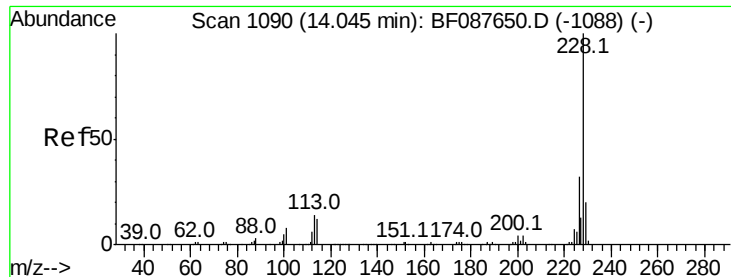
#80
 Benzo(a)anthracene
 Concen: 88.57 ng
 RT: 14.02 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: BF087746.D
 Acq: 6 Jun 2016 12:14

Tgt Ion:228 Resp: 227874
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.3 33.5
 229 21.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 88.99 ng

RT: 14.02 min Scan# 1088

Delta R.T. -0.02 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

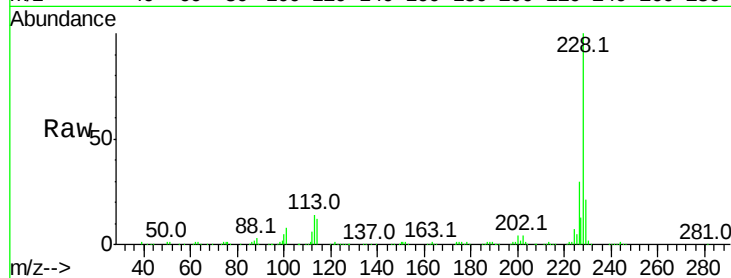
Tot Ion:228 Resp: 227874

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

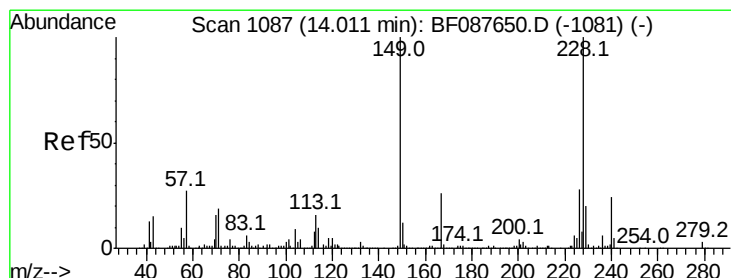
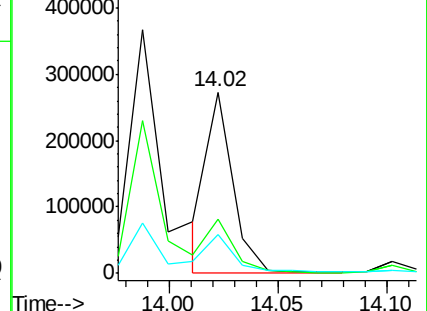
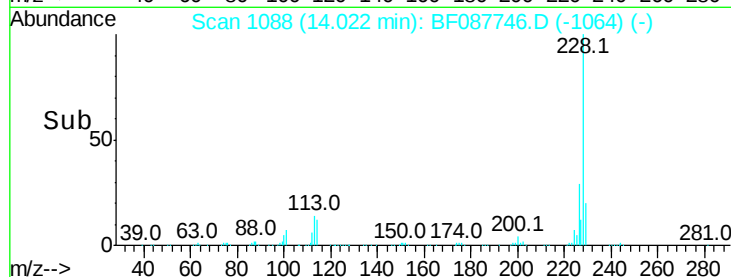
229 21.3 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.95 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

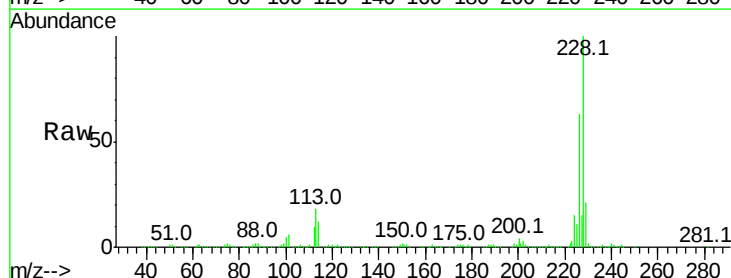
Tgt Ion:149 Resp: 6344

Ion Ratio Lower Upper

149 100

167 16.7 20.5 30.7#

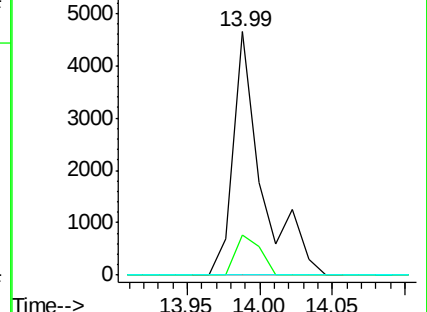
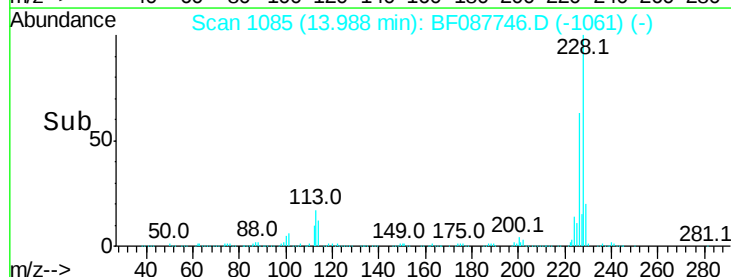
279 0.0 2.0 3.0#

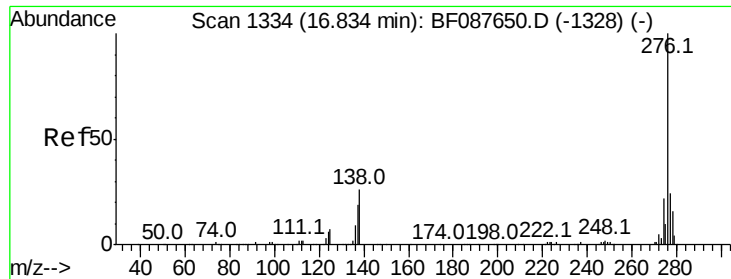


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

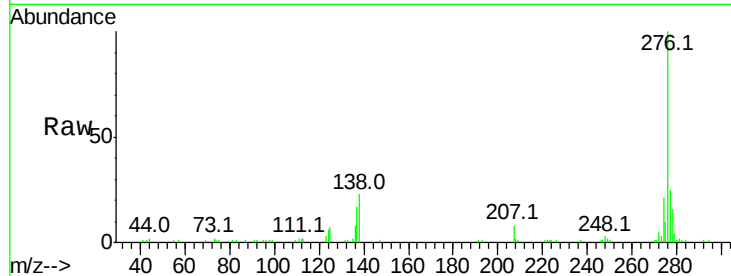




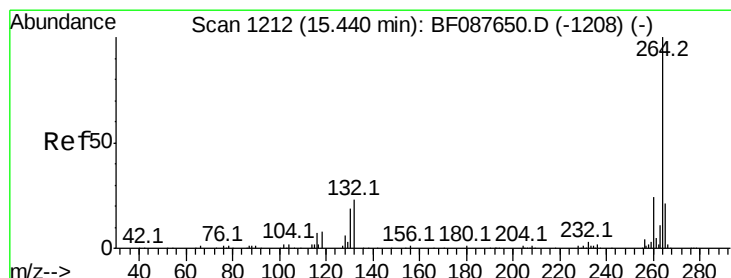
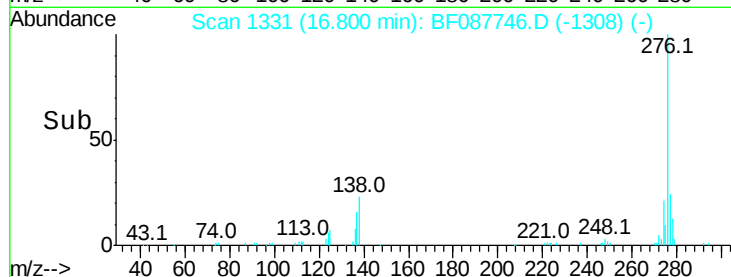
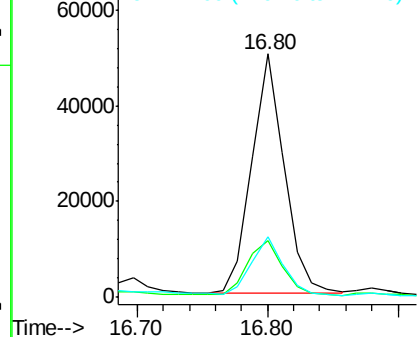
#85
Indeno(1,2,3-cd)pyrene
Concen: 41.17 ng
RT: 16.80 min Scan# 1331
Delta R.T. -0.03 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Instrument :
BNA_F
ClientSampleId :
WC-201605A

Tot Ion:276 Resp: 87136
Ion Ratio Lower Upper
276 100
138 24.8 0.0 0.0#
277 24.4 0.0 0.0#

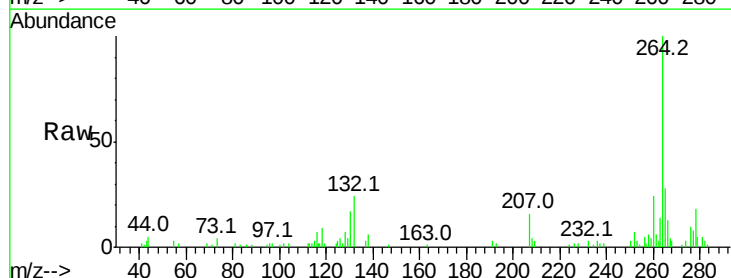


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

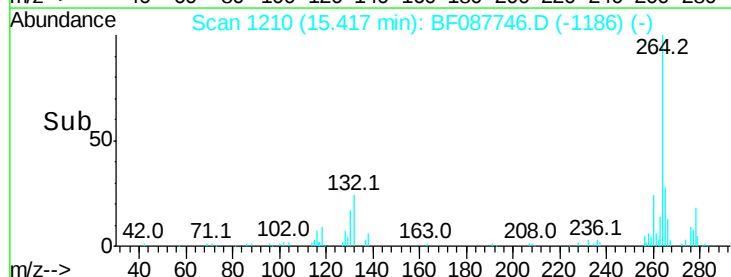
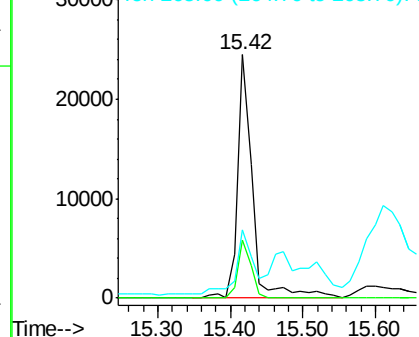


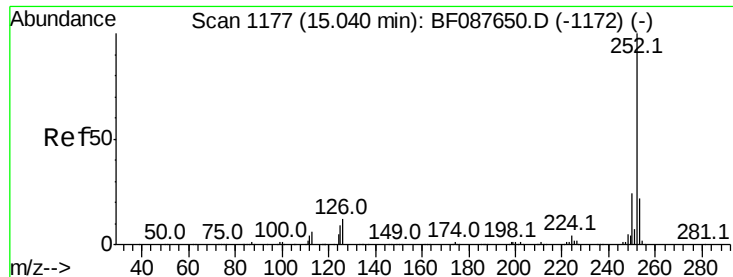
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. -0.02 min
Lab File: BF087746.D
Acq: 6 Jun 2016 12:14

Tgt Ion:264 Resp: 34805
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 28.2 16.9 25.3#



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 113.04 ng

RT: 15.02 min Scan# 1175

Delta R.T. -0.02 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

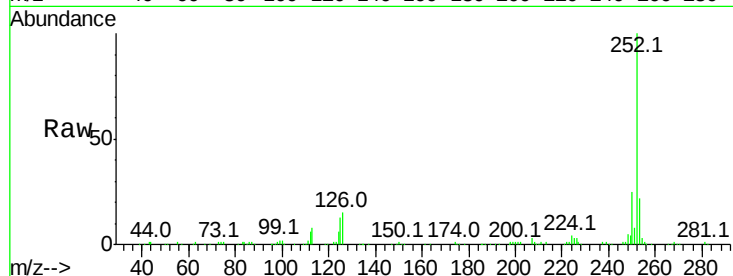
Tot Ion:252 Resp: 255927

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

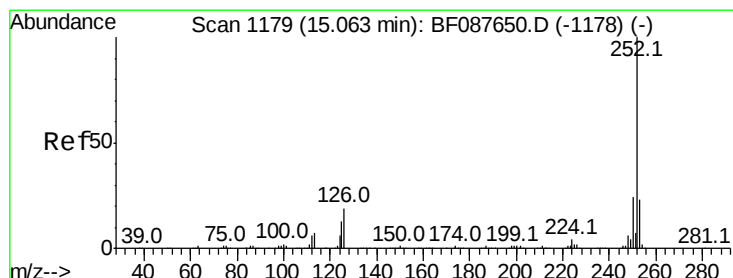
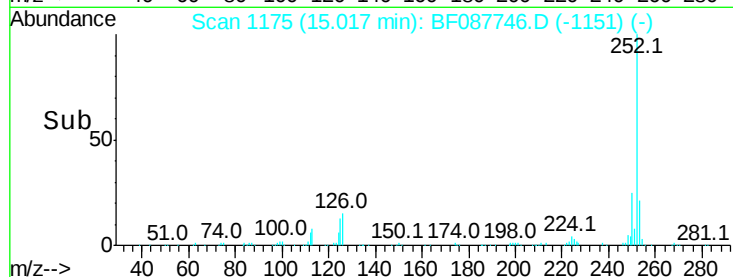
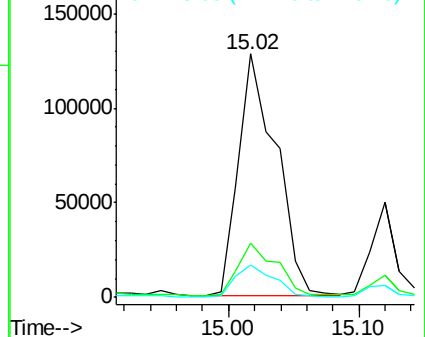
125 13.4 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 135.86 ng

RT: 15.02 min Scan# 1175

Delta R.T. -0.05 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

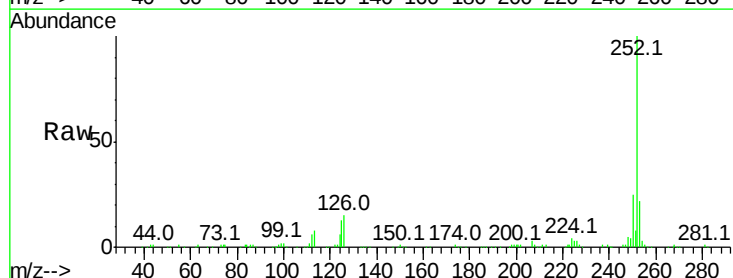
Tgt Ion:252 Resp: 255927

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

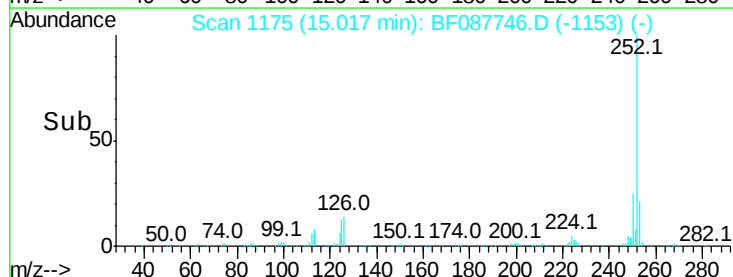
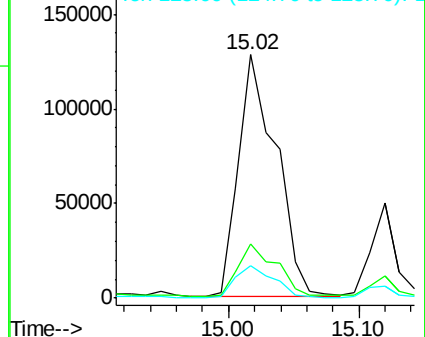
125 13.4 11.2 16.8

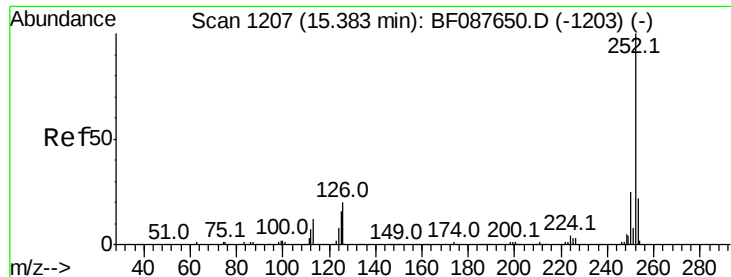


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 120.27 ng

RT: 15.36 min Scan# 1205

Delta R.T. -0.02 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

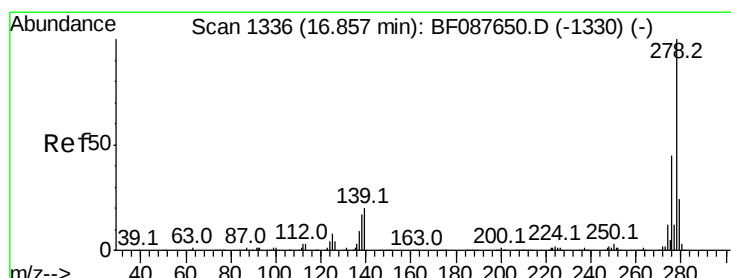
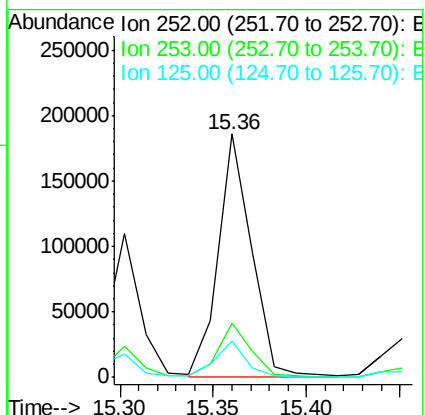
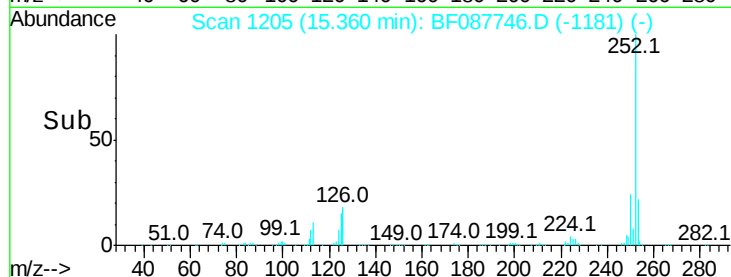
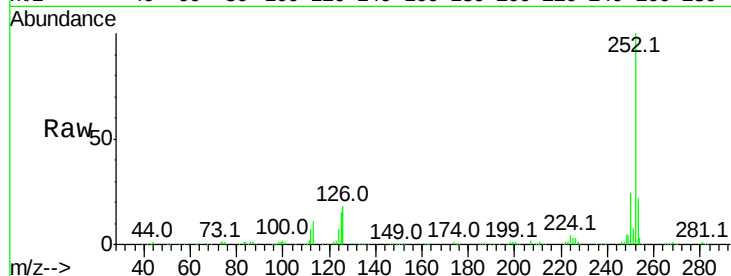
Tot Ion:252 Resp: 228896

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 14.7 12.5 18.7



#90

Dibenzo(a,h)anthracene

Concen: 13.05 ng

RT: 16.81 min Scan# 1332

Delta R.T. -0.05 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

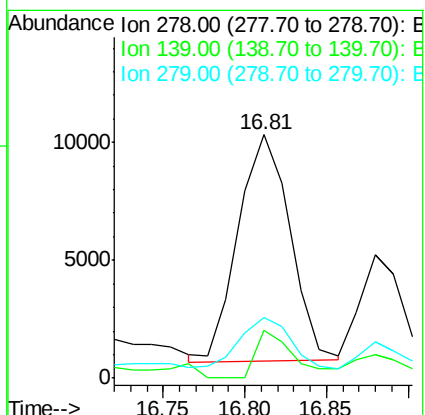
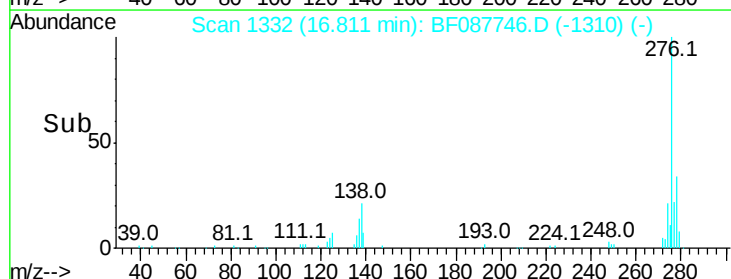
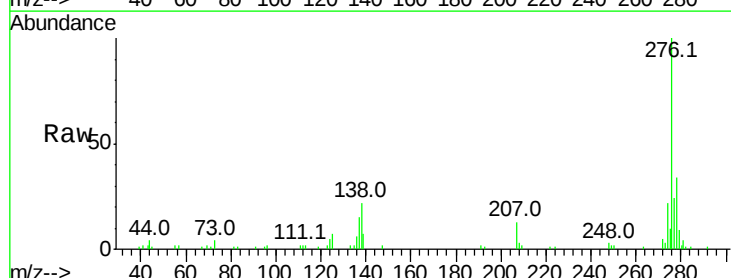
Tgt Ion:278 Resp: 21140

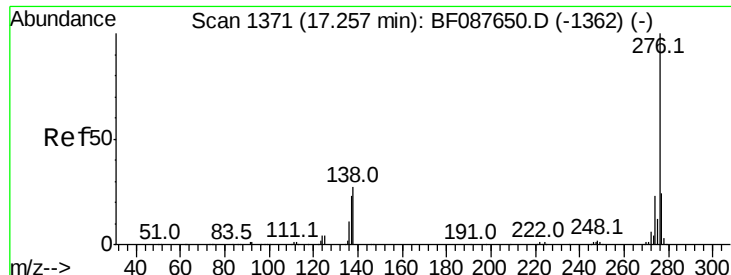
Ion Ratio Lower Upper

278 100

139 19.5 15.7 23.5

279 25.0 19.4 29.2





#91

Benzo(a,h,i)perylene

Concen: 64.82 ng

RT: 17.22 min Scan# 1368

Delta R.T. -0.03 min

Lab File: BF087746.D

Acq: 6 Jun 2016 12:14

Instrument :

BNA_F

ClientSampleId :

WC-201605A

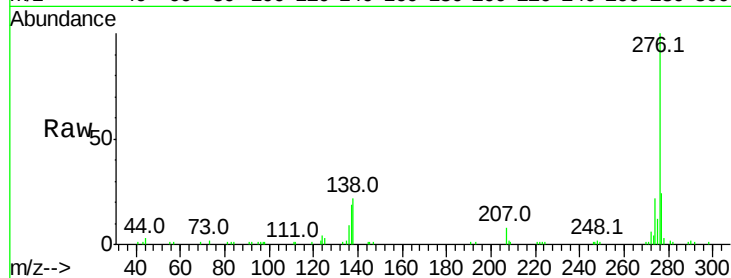
Tot Ion:276 Resp: 105918

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 22.0 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

